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DEPARTMENT OF EDUCATION
AUDIO-VISUAL AIDS BRANCH

AN AUDIO - VISUAL AIDS MANUAL FOR ALBERTA SCHOOLS

Authorized by the Minister of Education

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IMPORTANT NOTICE

One copy of this manual is distributed free of charge to each school in the Province using the services of the Audio-Visual Aids Library. It is the property of the school and is not to be taken away by the teacher or any other person.

FOREWORD

One cannot but sense a fast growing public demand for education of a more practical nature. This applies to academic as well as vocational subjects. Straight textbook learning will not meet modern requirements. The introduction of the enterprise method of teaching into the Alberta educational system was definitely a forward step in this direction.


There is no reason why the motion picture and the film strip cannot make a most valuable contribution to classroom instruction. The advantages of visual education have been long recognized. Knowledge of subjects far beyond the textbook comprehension of the student can be imparted, in far less time, by means of visual assistance. As a child watches a good film his interest is usually keen and his mental activity intense. Obviously, these are ideal conditions for teaching.

Further, such visual aids permit the introduction of more realistic subject matter. The motion picture opens the gateway to life elsewhere, provides new and enriched experiences, reveals scientific processes and portrays nature in action.

We are certain the resourceful teacher will welcome the Departmental service as outlined in this manual.

A handwritten signature in dark ink, appearing to read "R. E. Mackay", with a long, sweeping horizontal flourish extending to the right.

Minister of Education.



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PREFACE

The film brings to the classroom a portrayal of the actual operation of life experiences and of visions of the world in which we live. Admittedly the film is an efficient agency in impressing on the memory information gained from the spoken, written and printed word. While it will never replace the library book, when properly integrated with the Course of Studies and judiciously presented in the classroom, the film has long been recognized as a valuable teaching-learning tool of normal classroom procedure. It has earned for itself a permanent place in the educational field.

For many years, the Department of Extension of the University of Alberta has given a service unique in the Dominion of Canada in the circulation of films throughout the province, for school purposes, and for entertainments for various types of organizations of both adults and students. The time has arrived in the field of education when the Department of Education should control the selection and circulation of films to be shown in the public schools of the province during school hours. The Department of Extension of the University will gradually withdraw from the field of film service to schools as the library of the Department of Education is built up.

Through the courtesy and cooperation of the Department of Extension, arrangements were made by the Department of Education for a committee of Alberta teachers consisting of representatives for each Division of the Course of Studies, to screen and assign to each film, filmstrip and lantern slide set in the library of the Department of Extension approved for classroom purposes by this Committee, a subject placement, an optimum grade placement and a grade spread. These approved films, filmstrips and lantern slides will be available to schools for the usual rental fee as long as they are in a condition to be used. The subject and optimum grade placements and grade spreads, together with the descriptions, will enable teachers to select the aids best adapted to their purposes.

To provide opportunities for the teachers of the province in the field of visual aids, the Department of Education has instituted a film library. The initial library consists of both silent film and sound-on-film motion pictures, with silent films predominating in number. The selection is confined, in the main, to films relating to General Science and Health and Physical Education and to Social Studies. Filmstrips and lantern slides will be added to the library in due course. The library will be built up as rapidly as the film situation will permit. Bulletins will be published from time to time as additions are made.

These films will be available for screening in schools for school purposes only. The service is without charge other than transportation expenses.

Only those films that receive the approval of the Department of Education may be screened in schools during school hours.

Included in the Manual is a short list of miscellaneous films that have little instructional value in the classroom. They may, however, be found useful for other purposes.

While students respond to the challenge of the film, teachers will find the necessity of educating them away from the "Hollywood tradition" of the film and of developing a classroom attitude.

It is hoped that in schools where the requisite equipment is provided teachers will explore the many possibilities of the various types of visual aids available for use in the classroom.

PART ONE

REGULATIONS AND GENERAL INFORMATION, THE USE AND CARE OF EDUCATIONAL FILMS AND TEACHING PROCEDURES

REGULATIONS OF THE AUDIO-VISUAL AIDS BRANCH

1. Any Divisional Board or the Board of any School District not within a Division may borrow from the Department of Education, **free except for transportation charges**, any of the Visual Aids in the **Film Library of the Department of Education** listed in the Teachers' Manual prepared by the Department.

2. When shipments are made by express, the borrower must pay transportation charges both ways. When audio-visual aids are sent by mail, a statement of the total postage account shall be sent to the School Board or Divisional Board on or about June 30th of each year. Remittance must be made promptly, by certified cheque or money order. By special permission of the Federal Post Office Department, outgoing postage only is charged. By reversing the card on top of the film case, the shipments may be returned postage free.

3. Any Divisional Board or the Board of any School District not within a Division may rent from the Film Library of the Department of Extension, University of Alberta, Edmonton, **for screening during school hours** any film listed in the Teachers' Manual prepared by the Department of Education.

4. The rental rates for films obtainable from the Department of Extension Library are as follows:

Silent Films

BLACK AND WHITE

50c per reel for the first day and 25c per reel per additional day of actual use, or

25c per reel per day for a period of five consecutive days of actual use.

COLOUR

\$1.00 per reel for the first day and 50c per reel per additional day of actual use, or

50c per reel per day for a period of five consecutive days of actual use.

Sound Films

BLACK AND WHITE

50c per reel per day of actual use.

COLOUR

\$1.00 per reel per day of actual use.

ERPI TEACHING FILMS (Indicated in the Index)

\$1.00 per reel per day.

National Film Board and Industrial Films (SILENT AND SOUND)

BLACK AND WHITE

25c per reel per day of actual use.

COLOUR

50c per reel per day of actual use.

FEATURE STORIES (Indicated in the Index)

\$10.00 for one day's use.

Filmstrips

25c per roll per week; 60 rolls at a contract price of \$5.00 with outgoing postage paid.

(N.B.—One-way postage rates apply to filmstrips.)

Lantern Slides

50c per set for two weeks' use (with lecture or guide).

25c for Fairy Tales and Children's Stories and sets without lectures or guides.

N.B.—On Motion Picture Films and glass Lantern Slides express charges are payable both ways by the user. Motion Picture Films may be shipped by parcel post at the one-way postage rate, chargeable to the user.

Rentals on Lantern Slides and Filmstrips are payable to the Department of Extension and should accompany the application. Rentals on Moving Picture Films are payable to the Department of Extension upon receipt of accounts.

5. Applications for audio-visual aids in the Library of the Audio-Visual Aids Branch of the Department of Education must be made on prescribed forms of application, signed by the Secretary of the Divisional Board or School Board and the principal or teacher of the school. These forms are obtainable upon request. Telephone requests for films cannot be accepted.

6. Divisional Boards and School Boards are requested to book their audio-visual aids as far in advance as possible. Booking at least one month in advance is advised. First, Second and Third choices should be given. Substitutions will be made should the films requisitioned not be available.

To receive the best type of service, bookings for the September-December term should be received during the preceding June, and for the January-June term, during the preceding October. Schools may book for the entire school year early in the preceding June if they so desire.

7. Not more than **two** Motion Picture films may be supplied a school at one time.

Rural, town, and city school districts which operate more than one school should make arrangements with the Audio-Visual Aids Branch, in keeping with their needs. The number of audio-visual aids loaned by the Branch to such school systems at any one time will depend upon the use being made of these aids, and will be limited by the total number of aids in the Library. As the Library grows in size, the better will be the service available.

8. The time limit for using films borrowed from the Audio-Visual Aids Branch Library shall not exceed **four** consecutive school days, exclusive of the day of receipt of the shipment and of the day of its return to the Department.

9. During the **four-day period** the films may be used as often as desired for school purposes.

10. Motion Picture films must **not be rewound** after the final showing. All reels must be placed in the proper containers immediately after they have been used.

11. All audio-visual aids must be returned promptly on the day stated in the booking confirmation. Failure to do so may mean that service will have to be discontinued. No shipment will be made to any school district until the previous shipment has been returned.

12. Any films that are broken must be spliced with the proper kind of film cement. Films broken on the final showing should be returned without being spliced.

13. The School Board or Divisional Board shall be responsible for any damage to or loss of audio-visual aids from the time they are received until they are back in the Department. Should these aids be returned from the borrower in a damaged condition, a statement of charges to cover the damage shall be sent to the School Board or Divisional Board.

14. Should the return shipment of audio-visual aids be delayed, any expense incurred in regaining possession of these aids shall be charged to the school concerned.

15. Every teacher using audio-visual aids obtained from the Department of Education shall return with these aids the teacher's report properly completed.

16. SOUND MOTION PICTURE FILMS MUST NOT BE RUN THROUGH SILENT PROJECTORS. Silent films, however, may be used on both Sound and Silent projectors.

17. Films obtained from the Audio-Visual Aids Branch of the Department of Education for the use of schools may be screened also for Home and School Associations and for Adult Education groups, **provided it does not delay the return of the films to the Department of Education longer than the prescribed time, provided also that no admission fee is charged.**

18. Sixteen millimetre projectors may be operated in schools during school hours and at Home and School Association meetings, where no admission fee is charged, without a permit from the Inspector of Theatres. No fee is charged for operating these projectors under the conditions stated.

19. The National Film Board has regular circuits in the Province of Alberta on which travelling projectionists show the programmes made up by the National Film Board. The films are of two types, War Information Films and Educational Films. The National Film Board is pleased to have the projectionists place their services during the day time at the disposal of Principals and Teachers. This provides an opportunity for schools where there are not projectors to take advantage of the services of the Audio-Visual Aids Branch, also to make use of the films on the circuit programmes which are approved by the Department of Education as adaptable for school use.

All programmes on these circuits will be previewed by the Department of Education and notices will be published from time to time in order that teachers interested may have an opportunity to select the films to be shown in the school and to have the class study the subject matter before the films are shown.

20. Only those films, filmstrips and lantern slides that have been approved by the Department of Education may be screened in schools during school hours.

HOW TO ORDER AUDIO-VISUAL AIDS

All school districts using the services of the Audio-Visual Aids Branch of the Department of Education are required to observe the following procedure in ordering Audio-Visual Aids:

1. Read and study carefully the REGULATIONS and POINTERS ON THE USE AND CARE OF EDUCATIONAL FILMS issued by the Department and printed in this catalogue. Particular attention should also be given to the important regulations accompanying application for service.

2. Write to the Audio-Visual Aids Branch, Department of Education, Edmonton, requesting an APPLICATION FORM AND ORDER BLANK.

3. When this form is received, follow directions closely and give all the information asked for. BE SURE TO STATE THE TYPE, MAKE, AND MODEL OF EACH PROJECTOR, IN THE SPACE PROVIDED ON THE APPLICATION BLANK. In ordering Audio-Visual Aids, the borrower should give first, second, and third choices. This is particularly important when asking for films for immediate use without previously having booked them.

4. From this Manual of the Film Library, borrowers will secure the information concerning the LIBRARY NUMBER AND TITLE of the Audio-Visual Aids requested. They should use this information in filling in the order blank.

5. Great care should be exercised in booking films. The Audio-Visual Aids borrowed should fit into the work in which the teacher and pupils will be engaged during the particular time that these aids will be in their possession.

6. Where there are two or more teachers in a school or school system, for purposes of ordering Audio-Visual Aids, ONE teacher should be placed in charge. The order for the Aids should be signed by this audio-visual representative and approved by the secretary-treasurer of the School District or School Division, or, in large cities, by the superintendent of the school system. THIS APPROVAL BY THE SECRETARY-TREASURER OR SUPERINTENDENT MAKES THE SCHOOL DISTRICT OR SCHOOL DIVISION RESPONSIBLE FOR THE CARE OF THE AUDIO-VISUAL AIDS BORROWED.

7. **Sound films** should be ordered only by schools which have **sound projectors**. Sound films must NOT be run on silent projectors, but silent films may be used on sound projectors.

8. Because the Audio-Visual Aids Library of the Department of Education is limited in extent, NO GUARANTEE can be made that the Aids requested will be sent on the dates indicated. The Department will, however, do its best to give as complete service as possible. Soon after the receipt of the completed application, a confirmation of the bookings will be mailed to each applicant. Should it be necessary, on account of previous bookings for these Aids, to make any changes in the borrowers' choices, these will be noted on the booking confirmation sheets.

POINTERS ON THE USE AND CARE OF EDUCATIONAL FILMS

Motion picture films are expensive, yet they are easy to ruin if they are projected by inexperienced people. To help in keeping film damage at a minimum the following pointers are given:

1. Do not allow films to be screened by persons who have not learned to operate motion picture projectors with some skill.

2. Inspect all films before they are placed in the projector to determine whether they are sound or silent. **DO NOT RUN A SOUND FILM THROUGH A SILENT MACHINE** because to do this will ruin the sound track. **A sound film has only one row of sprocket holes; a silent film has two.** When threading a sound film, be sure the sprocket holes are towards you.

3. **Store films in a cool place until they are projected. Never keep them close to radiators or stoves or on high shelves.**

4. **KEEP and READ** the instruction booklet that accompanies your projector.

5. Before running a film, be sure the projector is clean. Projectors should be cleaned thoroughly, after four or five reels have been run through them. In cleaning machines follow the directions of the manufacturer. Attention is called particularly to the following:

(a) Be careful in threading the projector. Follow directions closely. **BE SURE SPROCKET TEETH ARE ENGAGED IN THE PROPER HOLES. THIS IS VERY IMPORTANT.**

(b) Be sure the projector is properly lubricated and that moving parts are not gummed. Projectors require a very **small amount** of oil at **any one time**. Use light oil prescribed by the manufacturer. Be sure to wipe off any excess oil that might get on the film. One drop of oil in each oil hole for every six hours of operating is ample lubrication.

(c) Keep the picture gate and the sound gate clean at all times. Do not fail to inspect and clean these gates frequently.

(d) The film guide and the pressure plate should be wiped off with a chamois after each showing, or scraped with soft material whenever scale adheres to them. Under no condition should the pressure plate or film gate be scraped with metal or other hard substance as permanent damage can be done, necessitating replacement of these parts.

(e) Be sure the projection lens is clean. Focus properly while the film is running.

6. Be sure that there are the proper loops at the top and bottom of the gate.

7. Never leave the machine while the film is passing through it.

8. **NEVER USE PINS OR CLIPS TO HOLD BROKEN ENDS OF FILMS.** If a film breaks during projection, stop the machine and re-thread it if necessary. Otherwise, overlap the broken end on the takeup reel a sufficient length, and then continue.

9. **UNLESS PROPER SPLICING EQUIPMENT IS USED, NO SPLICING SHOULD BE ATTEMPTED BY THE BORROWER.** When films are broken on last showing send them back to the Audio-Visual Aids Branch without splicing.

10. (a) Improper threading of the projector and failure to see that the loops are large enough may cause perforations to be torn in the film, and will result in serious damage.

(b) Scratching of the film is caused by bits of hardened emulsion on the edge of the aperture, or other parts of the projector which contact the film.

(c) If the film is new, there is emulsion along the sprocket holes, some of which may deposit on the parts of the projector it touches and cause the film to stick and eventually tear.

11. Make preliminary tests by projecting a few feet of film before the film is run continuously.

12. When a battery operated projector is being used, to ensure best projection results, make the room as dark as possible.

13. Films are inspected every time they are returned by the borrower to the Film Library. **IN THIS WAY, THE DAMAGE CAN BE TRACED TO ITS PROPER SOURCE.** It is, therefore, much better for all damage caused to the films to be reported immediately to the Audio-Visual Aids Branch.

CLASSROOM PROCEDURES FOR USING MOTION PICTURE FILMS PRODUCED SPECIALLY FOR INSTRUCTION

The following methods of using the film as a teaching aid have been thoroughly tried and tested in many schools, and have on numerous occasions proven their worth.

A—Preparing For The Use of Films.

1. Specific objectives must be established.

When teachers and pupils use books, maps, charts, flat pictures, and similar teaching aids, they have in mind the answering of special questions and the solution of definite problems. These questions and problems are usually outlined on the blackboard or in the students' workbooks. They arise naturally out of the topic being studied or the unit of work being developed. As the investigation proceeds, other questions and problems emerge, which necessitate further activity on the part of the learner.

When a film is to be used both teacher and pupils should know the special objectives. If the study centres around **Peoples of Far-Away Lands**, and China is the country selected, then the picture, "Children of China," will be a suitable film. At first, the questions may be easy and few in number: What do Chinese children eat? How is the food prepared? How do they eat? What do they wear? How do they travel? These questions become the **objectives** which the children keep before them while viewing the film.

2. In order to give guidance in the formulating of objectives, the teacher should preview the film before showing it to the class.

When a study guide accompanies the film, this should be carefully studied. A teacher, who views the film for the first time when he is showing it to the children, is certainly unable to introduce the film properly, or to assist the pupils in formulating objectives.

3. If, upon previewing the film, vocabulary difficulties are found, the teacher may write upon the blackboard the more important of these before showing the film.

4. Point out on the globe and maps the locations necessary for an understanding of the film, and write the names of these places on the blackboard.

5. The teacher should keep the general purpose clearly in mind.

For instance if "High Over the Borders" is to be the film used, then the showing should be preceded by a study of the migratory habits of birds. A field trip will be very valuable as a preliminary study.

6. A mental attitude towards learning, rather than towards amusement, should be established in the minds of the pupils.

7. **All physical preparations should be made prior to the class period.** The shades for the windows should be easily adjustable, the screen in readiness, and the projector properly set up. No undue confusion should be allowed to develop through failure to make adequate preparation.

8. **A proper classroom atmosphere is essential to the successful use of films.** This atmosphere helps the students to differentiate between education and mere entertainment, to recognize their responsibility in learning from the film, and to prepare definitely for the presentation.

9. **Questions and explanations, discussions, school excursions, dramatizations, written reports, reading, map exercises, laboratory exercises, the study of models and still pictures** are among the agencies which may be used by the pupils in preparing themselves for viewing the films.

10. **The film being shown should be properly adjusted to the grade or grades in the classroom.** When the same film is being presented in a rural school, to all grades at the same time, then special objectives for each grade or group of grades should be formulated.

B—The Film Presentation.

1. If the objectives are well established, the first showing of the film should be presented without interruption. This is particularly necessary, if a sound film is being used. If the film shown is silent, and the pupils to whom it is shown are in the primary grades of the Elementary School, the captions as they appear on the screen should be read aloud by the teacher or older pupil.

2. In the case of a silent film, some teachers have used successfully a carefully prepared commentary of their own. This commentary should be organized so that the oral descriptions and the screen images are properly integrated.

3. During the second and third presentations of the film, brief explanations of more difficult points may be made by stopping the projector. This may be done by turning off the sound and the lamp, and then allowing the projector motor to run free for about two minutes while the explanations are given. Allowing the motor to run in this way, cools the lamp and adds greatly to its life.

4. In the manner indicated above, a discussion may take place at various points in the film showing. Remember, a motion picture **must not** be shown as a still picture. As far as we know, there isn't a motion picture projector manufactured that will permit a motion picture to be shown as a still picture, without blistering the film.

5. Here is one way in which the teacher may make brief explanations of a silent film subject at different points in the film. The film is "Toilers of the Grand Banks". The pupils have seen it once, and as a result several questions have arisen. These are outlined on the blackboard. The film is now presented again. When the scenes relating to one of the questions have been shown, the projector is turned off, and a discussion takes place. When satisfactory conclusions have been reached, the showing is resumed. This process may be repeated several times.

6. What holds true of the silent film may also be applied to the sound film. Frequent questions and answers at times are desirable.

7. In order that pupils' attention may be better concentrated on the showing, some teachers ask the pupils to raise their hands every time they find, in the picture, answers to questions. The picture may then be stopped, and a discussion may take place.

8. Sometimes, during repeated showings of sound films, the sound may be turned off, and a silent picture shown. This offers excellent opportunity for

oral expression. Different pupils may take turns at giving the commentary, which they prepare themselves. There are cases in which the teacher prefers to give her own carefully prepared commentary during **one** showing of the film. This can be applied to a film in which the children are not at all familiar with the subject matter of the picture. In such cases, the teacher's language may be better adapted to the pupils' experiences.

9. There are occasions when a part of a film only should be shown to the pupils. This is true of "The Frog". The first part only is suitable for elementary school grades, while the latter part is adapted for high school biology classes. Another case is the "The Waterways of Canada". It is quite possible that the showing may be limited to the part on the St. Lawrence River System. However, in this case, it will be better for the whole film to be first shown, and then only the part indicated used for the second or third showing. There are numerous cases where this procedure may be used.

10. It must be remembered that the main objective of the first showing of the film is to link up its subject matter with the child's past experiences. Consequently, the questions which will be answered by this first showing will be more or less of a general nature. Subsequent showings will be used for answering more specific questions and for solving more definite problems.

C—Follow-up Procedures.

1. **Discussion.** This is the most common procedure. A teacher is anxious to find out (a) the manner in which the content of the picture is related to the pupils' past experiences; (b) the mistaken ideas pupils may have about the film content, in order that a correct point of view may be established; (c) the new ideas which may have come to the pupil, and which will provide the reasons for further showings of the film; (d) the particular points which were of special interest; (e) the unusual photographic effects with which the pupils may have had difficulty.

2. Discussion should bring out details and generalizations. Children have to be taught how to look at films and how to secure information from them. Discussion followed by repeated showings will help to establish proper **observing** habits. In some films, such as the Erpi "Children" pictures, the important events of a day are reproduced in ten minutes. Discussion of other events that might have occurred, between the scenes depicted, will help girls and boys to realize the passing of time, and the different places in which the scenes are enacted.

3. Many objects and scenes presented in the film need explanation. Relative sizes of objects, colour, unfamiliar words and phrases, geographical locations, periods of history, and many other characteristics need discussion and further research and study.

4. Here are some discussion activities which may follow a film presentation:

- (a) Answering questions previously written on the blackboard or in the pupils' notebooks.
- (b) Pupils themselves formulating questions.
- (c) Dividing the classes into committees after a number of questions for discussion have been written on the blackboard. The pupils of each committee make a report on the manner in which their questions have been answered in the film, and ask others which follow naturally from their new experiences.
- (d) Making a list of the names of persons or things mentioned in the film.

- (e) Writing riddles about the things seen.
- (f) Drawing diagrams or representations of some of the things observed.

5. If the film is used as an integral part of a unit of work, then the activities already commenced before showing the film should be properly completed. In this connection, books, flat pictures, still projected pictures, pamphlets, maps, clippings, the museum, the bulletin boards, and the school journey are some of the teaching aids used in addition to the film.

6. Other activities resulting from showing the film:

- (a) Write a story for the English class.
- (b) Read interesting stories about related topics.
- (c) Make up rhymes about various objects observed.
- (d) Prepare a scrapbook, add to the museum collection, draw pictures, bring in special reports. There is really no limit to the activities which individual films will suggest.
- (e) Educational radio broadcasts should be linked definitely with the film programme. For instance, suitable health films should be shown to correlate with the health broadcasts.

7. Films offer many suggestions for cutting across subject matter. Out of the showing of one film there may arise music, literature, language, health, social studies, natural science, art, and mathematics' activities.

D—The Following Outline Summarizes In Short Form, the Suggestions Which Have Been Presented Under This Section. This Should Be Read Carefully.

1. Before any film is shown the teacher should be sure that purposes for studying the film have been established in the mind of every pupil in the group. These purposes may well be placed on the blackboard or written in the pupils' notebooks. (The purposes for seeing the films may grow out of pupil discussion during the progress of the unit or may be suggested by the teacher after a preview of the film.) In every case the teacher should be well acquainted with the content of the film by having seen it in advance of its classroom showing. If the film has been properly constructed, the teacher, by careful examination, will find that it has been filled with facts and concepts designed to lead the pupil to formulate important and fundamental generalizations, which will provide the basis for intelligent thinking and acting in his role as a citizen.

2. Present the film.

- (a) **Immediately** after the film showing, during the same class period, initiate a discussion of the film.
- (b) Ascertain the extent to which the class study has achieved the purposes for which the film was shown.
- (c) Many questions will be asked and comments made by the pupils which should be used by the teacher in setting up purposes for additional showings of the film. The first showing may be devoted to factual information while the subsequent showings will be required in investigating interrelationships so important to clear understanding.
- (d) Use the interests aroused by the film as springboards into the broader study of the unit. This will lead into many types of research and creative thinking; creative oral and written language; art; dramatics; and other activities associated with the study of the unit.

Teachers who have followed this procedure have found that the properly prepared film thus closely tied in with regular classroom study, becomes a highly effective instrument of teaching.

E—Conditions Under Which Films May Be Shown.

The screening of films should be confined to classes of a single school and should take place in the classroom under the usual classroom conditions. When the set-up of the classroom is such as will not lend itself to adjustment for screening purposes and it is necessary to use the auditorium, preparation should first be made in the classroom.

Some students may make, from teaching guides accompanying the films, a study of the content of the film, and then, in the auditorium, one or two members of the group making the special study, may introduce the film or films and give the general background to the student body, before the film is shown. An auditorium presentation, however, can easily become mere entertainment. But where it is necessary to have large groups together, the definite link between the subject matter of the films to be presented and the curriculum should be well established in the individual classrooms. If this is not done, and no follow-up procedures planned, problems of discipline arise during the presentation which are definitely detrimental to the development of wholesome social attitudes.

PART TWO

Alphabetical Index

Subject Classifications

Optimum Grade Placements

Grade Spreads

Descriptions

of

Silent and Sound Motion Picture Films

PART TWO

SILENT FILM MOTION PICTURES ARRANGED ALPHABETICALLY ACCORDING TO TITLE

Those with numbers preceded by "Q" (Quiet) are obtainable from the Library of the Audio-Visual Aids Branch, Department of Education, Parliament Buildings, Edmonton. All others in the Silent Motion Picture list are obtainable from the Department of Extension, University of Alberta, at the usual rental rates.

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
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SUBJECT AND GRADE CLASSIFICATION OF MOTION PICTURES SILENT FILMS

This Subject Classification, including Optimum Grade Placements and Grade Spreads, is based upon the Programme of Studies for Alberta schools. The Optimum Placements and Grade Spreads are suggestive only. Teachers may differ with the film evaluations and find many uses for the films other than those specified. The Audio-Visual Aids Branch will welcome suggestions on the Film Evaluation Report, Form AV-14. For many films of War Information and miscellaneous films, a Grade Spread only is given. For films listed under two or more subjects, the Optimum Placement appears in one list only, i.e. in the Classification where the film is considered of greatest value.

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Nitrogen Cycle.....	X.....	VII-X.....	371
Panama Canal.....	VII.....	V-XI.....	124
Sand and Clay.....	VIII.....	VIII-IX.....	458
Steam Power.....	IX.....	IX-XI.....	202
Singing and Stinging.....	VII.....	VII-X.....	533
Sun, The.....	IX.....	IX-X.....	528
Water Power.....	IX.....	VII-XI.....	201
Wee Anne Visits the Zoo.....	II, III.....	I-IV.....	500
West Coast Mountains.....	VII-IX.....	VII-X.....	C- 58
Who's Zoo.....	III.....	I-IV.....	78

ENGLISH

Shakespeare and Stratford-on-Avon.....	X.....	X-XII.....	Q-144
Abraham Lincoln.....	XI.....	IX-XII.....	459
Christmas Carol (Dickens).....	V.....	IV-IX.....	402
Christmas Carol (Dickens).....	V.....	IV-IX.....	571
Cricket on the Hearth.....	IX.....	VII-IX.....	103
Charles Dickens.....	X.....	VII-XII.....	80
Night Before Christmas.....	III.....	I-VI.....	404
Pied Piper of Hamelin.....	III.....	III-V.....	65
Robinson Crusoe.....	V.....	III-XI.....	74

GENERAL SHOP

Automobile.....	IX.....		192
We Are All Artists.....	X.....	IX-XI.....	181

GEOLOGY

Common Salt.....	X.....		Q- 28
Earthquakes.....	X.....		Q- 99
Formation of Soil.....	X.....		Q- 37
Production of Crude Oil.....	X.....		Q- 59
Carlsbad Caves.....	X.....		45
Digging up the Past.....	X.....		C- 53
Farmers of the Prairies.....	X.....		C- 57
Overland to California.....	X.....		552
West Coast Mountains.....	X.....		C- 58

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Bicycling with Complete Safety.....	VI.....	IV-IX.....	Q- 85
Body Framework, The.....	VII.....	IV-IX.....	Q- 15
Breathing.....	IX.....	VI-XI.....	Q- 19
Circulation.....	IX.....	VII-XI.....	Q- 23

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Digestion.....	IX.....	VII-XI.....	Q- 30
Eyes, The (Advanced).....	IX.....	IX-X.....	Q- 33
Eyes, The (Elementary).....	V.....	IV-VI.....	Q- 32
Feet, The.....	VII.....	V-IX.....	Q- 35
First Aid.....	IX.....	VI-X.....	Q-107
Food and Growth.....	IV.....	II-VI.....	Q-108
House Fly, The.....	V.....	IV-IX.....	Q-114
How Life Begins.....	X.....	X-XI.....	
Cell Life, Yeast.....			Q- 42
Plant Life and Sea Urchin.....			Q- 43
Swallow-tail Butterfly and Frog.....			Q- 44
Chick and White Rat, The.....			Q- 45
How Teeth Grow.....	VIII.....	IV-X.....	Q- 46
Mosquitoes, The.....	X, XI.....	X-XI.....	Q-127
Posture.....	IX.....	VII-IX.....	Q- 58
Safety, Vacation.....			Q-143
Vitamin B ₁	VIII.....	VI-XI.....	Q- 72
Vitamin D.....	VIII.....	VI-XI.....	Q- 73
Water Sports.....			Q-154

Blood, The.....		VII-XI.....	461
First Aid (Life Saving and Resuscitation).....	IX.....	IX-X.....	521
Food Makes a Difference.....	IX.....	IV-IX.....	635
Man Against Microbes.....	IX.....	VII-X.....	627
Modern Basketball Fundamentals.....	X.....	IX-XI.....	172
Muscles, The.....	X.....	VII-X.....	464
Sewage Disposal.....	IX.....	VII-X.....	466
Skin, The.....	X.....	VII-X.....	467
Street Safety (For Advanced Grades).....	VIII.....	IV-XI.....	375
Tuberculosis.....	VIII.....	VI-IX.....	373
When Winter Comes.....	VII.....	IV-IX.....	C- 17

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Atmospheric Pressure.....		X, XI.....	Q- 8
Behaviour of Light.....	X, XI.....		Q- 84
Electricity, Chemical Effects of.....			Q-103
Electricity, Heat and Light from.....		X-XII.....	Q- 31
Eyes, The (Advanced).....		X-XI.....	Q- 33
Gas Engine.....		XII.....	Q-111
Illumination.....	X, XI.....		Q- 47
Induced Currents.....	XII.....		Q- 49
Lenses.....	X, XI.....		Q- 50
Optical Instruments.....	X, XI.....		Q-131
Refrigeration.....		XII.....	Q-139
Simple Machines.....		X-XII.....	Q-147

Diesel Simplicity.....		XII.....	487
Electric Power.....		X, XI.....	203
Energy from Sunlight.....	X, XI.....	X-XII.....	209
Steam Power.....	XII.....	X-XII.....	202
Water Power.....		X-XI.....	201

SHORTHAND

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<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
SOCIAL LIVING AND SOCIAL STUDIES			
Adventures of Peter.....	III	I-V	Q- 79
Alaska.....	VII	IV-IX	Q- 81
Alaskan Adventure.....	VI	IV-XII	Q- 1
Alluring Bali.....	VIII	IV-IX	Q- 2
Aluminum.....	IX	IX	Q- 3
Andean Trails.....	VI	V-IX	Q- 4
Anthracite Coal.....	VIII	IV-IX	Q- 82
Argentina.....	VIII	IV-XI	Q- 7
Balboa.....	V	III-VI	Q- 83
Beet and Cane Sugar.....	IX	VII-X	Q- 11
Bicycling with Complete Safety.....	VI	IV-IX	Q- 85
Bird Homes.....	IV	III-VI	Q- 12
Birds of Prey.....	V	IV-VI	Q- 14
Bolivia.....	IX	VI-IX	Q- 16
Brazil, Amazonian Lowlands.....	VIII	VI-IX	Q- 17
Brazil, Eastern Highlands.....	IX	VI-IX	Q- 18
Calcutta.....			Q- 86
Central America.....	IX	IV-XI	Q- 20
Chemistry of a Match.....		VII-X	Q- 21
Chile.....	IX	VI-IX	Q- 22
Cleanliness (Clean Clothes and Keeping the Hair Clean).....	IV	I-VI	Q- 25
Cleanliness (Clean Face and Hands and Bathing).....	IV	I-VI	Q- 24
Coffee.....	VII	VII-IX	Q- 27
Common Salt.....	IX	IV-XII	Q- 28
Consumer Cooperation in Sweden.....	XII	IX-XII	Q- 93
Cortez and Montezuma.....	V	III-XI	Q- 94
Cotton Goods.....	IX	VI-XII	Q- 95
Cotton Growing.....	IX	VII-IX	Q- 29
Denmark.....	VIII	IV-XI	Q- 97
Earthquakes.....	X	VI-X	Q- 99
Egypt, Exotic.....			Q-101
Eyes, The (Elementary).....	V	IV-VI	Q- 32
Farm, The.....		I-VI	Q- 34
Felling Forest Giants.....			Q-104
Fighting Salmon.....			Q-105
Fire Prevention.....	IX	V-IX	Q-106
From Haiti to Trinidad.....	IX	VII-IX	Q- 38
From Tree to Newspaper.....	IX	VII-X	Q-110
Game Birds.....	VI	I-X	Q- 39
Guatemala.....	IX	VII-IX	Q- 40
How Birds Feed Their Young.....	III	I-IV	Q- 41
India—the Punjab.....	VIII	VI-XI	Q- 48
Little Swiss Wood-Carver.....			Q-122
Mongols of Central Asia.....			Q-126
New South, The.....	IX	IX-X	Q- 53
Pacific Coast Salmon.....	IX, X	IX-X	Q-134
People Who Live in the Arctic.....	IV	III-VI	Q-135
People Who Live in a Crowded Valley.....	V	III-IX	Q- 55
Peru.....	IX	VI-IX	Q- 56
Pig Iron to Steel.....	IX	VII-X	Q- 57
Production of Crude Oil.....	X	VIII-XII	Q- 59
Puerto Rico.....			Q-137

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Refining Crude Oil.....	IX.....		Q-138
Road to Health and Happiness, The.....	V.....	III-IX.....	Q- 61
Rural Quebec Folkways.....	VI.....	IV-X.....	Q-140
Russia.....	IX, XI.....	VII-XII.....	Q-141
Safety in the Home and at Play.....	III.....	I-VI.....	Q-142
Siberia, Modern Developments in.....	VIII.....	VII-X.....	Q-145
Silk.....	IX.....	VII-IX.....	Q-146
Some Friendly Birds.....	IV.....	III-VI.....	Q- 64
Some Larger Mammals.....	IV.....	I-X.....	Q- 65
Speaking of Safety—Street Safety.....	V.....	II-VI.....	Q-148
Street Safety (Primary Grades).....	II.....	I-III.....	Q- 67
Three Little Bruins in the Woods.....	III.....	I-VI.....	Q- 69
Toilers of the Grand Banks.....	VII.....	IV-IX.....	Q- 70
Turkey, Modern Developments in.....	X-XII.....	V-XII.....	Q- 71
Wanderers of the Arabian Desert.....			Q-153
Waterways of Canada.....	VII.....	VII-X.....	Q- 75
Woolen Goods.....	IX.....	IV-IX.....	Q- 77
Yugoslavia.....	VIII.....	VII-IX.....	Q-158
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African Pigmy Thrills.....	V.....	IV-VI.....	641
Along the Cabot Trail.....	VII, VIII.....	IV-XII.....	C- 64
Automobile, The.....	IX.....	V-IX.....	192
Banff to Lake Louise.....	IV-VI.....	IV-XII.....	C- 63
Battle for France.....		VII-XII.....	586
Battle of Tunisia; Surrender at Stalingrad.....		VII-XII.....	647
Beaver Family, The.....	VI.....	II-XII.....	C- 47
Beaver People, The.....	VI.....	II-XII.....	C- 51
Bermuda.....	VII.....	V-IX.....	240
Big Fish.....	VII.....	V-IX.....	422
Bombs over Europe.....	IX.....	VI-X.....	585
Boulder Dam.....	VII.....	VI-X.....	418
British Greek Victories.....	XII.....	VII-XII.....	603
Camera Thrills in Wildest Africa.....	VIII.....	IV-VIII.....	394
Canada's Metropolis.....	VII.....	VI-IX.....	C- 6
Canada's Queen City.....	VII.....	VI-IX.....	C- 5
Canadian Pacific Gateway.....	VII.....	VI-IX.....	C- 4
Christmas Cartoon.....	III.....	I-IV.....	395
City of the Foothills, The.....	VII, VIII.....	VI-IX.....	C- 2
City of Sunshine, The.....	VII.....	VI-IX.....	C- 3
Come Back to Ireland.....	VIII.....	VII-IX.....	579
Conquest of the Forest.....	VII.....	VI-VIII.....	C- 26
Continent of South America.....	VII.....	IV-X.....	121
Coronation of King George VI and Queen Elizabeth.....	V.....	I-XII.....	249
Cradle of Rivers.....	IV-VI.....	IV-IX.....	C- 41
Czechoslovakia.....	IX.....	VII-IX.....	378
Dairies.....	III.....	III-VI.....	194
Drive is On! The.....	VII.....	VI-IX.....	C- 27
Dutch East Indies.....	IX.....	VII-X.....	553
Electric Power.....	IX.....	VII-X.....	203
English Potter, The.....	VII.....	VII-XI.....	247
Eskimo Life.....	III.....	III-IV.....	
Nanook and His Family.....			493
Nanook, The Hunter.....			494
Eskimo Travel.....			495
Nanook Builds an Igloo.....			496

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Fight for Egypt, The.....	X.....	VII-X.....	640
Finland.....	VII, VIII.....	VII-IX.....	377
Flax to Linen.....	IX.....	IV-IX.....	253
Forest Fire Fighters of the Skies.....	VI.....	III-VI.....	C- 28
Germany Invades Austria.....	XII.....	IV-XII.....	365
Good Foods.....	IV.....	I-VI.....	523
Harvesting the Deep.....	VII.....	VI-VIII.....	C- 19
Hawaiian Islands.....	IX.....	IV-IX.....	554
Here and There with the Birds of Canada.....	VI.....	IV-X.....	C- 50
Hoof to Market.....	VIII.....	VI-X.....	295
Hopi Indian Life; Navajo Indian Life; South Sea Savages.....	V.....	III-IX.....	50
Hungary.....	VII, VIII.....	VII-IX.....	376
India			
Hyderabad.....	IX.....	VI-X.....	591
Mysore and Ceylon.....	IX.....	VI-XII.....	590
Indian Life			
From Burden Chanler's film "The Silent Enemy" entitled "Cheeka, An Indian Boy".....	III.....	I-IV.....	
Cheeka's Home.....			497
Cheeka's Canoe.....			498
Cheeka and the Caribou.....			499
Industrial Workers of Central Canada.....	IX.....	VII-X.....	C- 56
In Old Spain.....	X.....	VII-XI.....	619
Irrigation.....	X.....	X-XI.....	196
Irrigation.....	X.....	VII-X.....	231
Isles of Romance.....	VIII.....	IV-IX.....	C- 9
Italy Surrenders.....		VII-XII.....	650
Kashmir, Old and New.....	X.....	VII-XII.....	323
Lake Louise to Lac Beauvert.....	IV-VI.....	III-XII.....	C- 61
Land Transportation.....	IX.....	IV-IX.....	214
Last Stand of the Red Man.....	IV.....	I-VI.....	81
Leather.....	IX.....	VI-IX.....	444
Life in the Sahara.....	V.....	IV-X.....	120
Little Dutch Tulip Girl.....	IV.....	II-V.....	9
London.....	VIII.....	VII-IX.....	197
London.....	VIII.....	V-XII.....	N-172
London on Parade.....	VI.....	I-XII.....	241
Lumbering in B.C.....	VI.....	IV-IX.....	C- 25
Man Against Microbes.....	IX.....	VII-X.....	627
Maritime Provinces, The.....	VII.....	VI-IX.....	C- 7
Marketing Canadian Apples.....	VII.....	V-IX.....	C- 35
Mexico.....	VI.....	IV-VII.....	217
Modern Rome.....	X.....	VIII-XI.....	390
Mohawk Valley.....	VIII.....	VII-VIII.....	149
Native Africa.....	VII, VIII.....	VI-IX.....	604
News Parade of 1940.....		VII-XII.....	576
News Parade of 1941.....		VII-XII.....	613
News Parade of 1942.....		VII-XII.....	643
News Parade of 1943.....		VII-XII.....	649
New York—the Wonder City.....	VIII.....	VI-IX.....	432
Niagara, the Glorious.....	VII.....	IV-X.....	C- 16
Palestine.....	X.....	VIII-X.....	580
Panama Canal.....	VII.....	V-XII.....	124
Pathfinder, The.....	VII-IX.....	V-IX.....	351

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
People Who Live at the Equator.....	VI	IV-IX	184
People Who Live in the Desert.....	VI	IV-VIII	185
People Who Live in the Mountains.....	IV	IV-IX	186
People Who Live on a Great Plain.....	VIII	VI-IX	188
Philippine Islands.....	IX	VII-IX	446
Province of Quebec.....	VI, VII	VI-XI	127
Playground of Two Nations.....	VII, VIII	IV-XII	C- 60
Rambles in Gaspesia.....	VII	V-IX	C- 8
Roaming in Scotland.....	VIII	VII-IX	578
Rubber.....	IX	IV-X	123
Russia Stops Hitler.....	IX	VII-XII	630
Russia Strikes Back.....		VI-XII	645
Sahara, The.....	VIII	VIII-IX	392
Soap.....	V	IV-VI	455
South American Vista.....	IX	VI-X	581
Spring Wild Flowers.....	IV-VI	IV-VI	C- 59
Sweden.....	IX	IV-XI	165
Tenderfoot Trails.....	VII	IV-IX	C- 13
Tin.....	IX	VII-XII	195
Victory in Sicily.....		VI-XII	648
Wealth of the Sea.....	IX	VII-XII	347
Wee Anne's Christmas.....	II	I-III	510
Wee Anne and her Doll's Tea Party.....	II	I-III	622
Wee Anne Learns about Cargo Boats.....	V	IV-VI	506
Wee Ann Learns about Ocean Liners.....	IV	III-VI	504
Wee Anne Visits the Farm.....	II, III	I-IV	502
Wheat.....		V-IX	212
Wheat to Bread.....	VI	IV-IX	213
Yanks Invade Africa; Rommel Defeated.....		VII-XII	644

MISCELLANEOUS

The films in this list have little instructional value in the classroom. They may, however, be found useful for other purposes.

Lost World, A.....	IV-X	Q-123
Yellowstone Park.....	IV-XII	Q-157
Angler's Idyll, An.....	IV-X	C- 20
Arctic Thrills.....	II-X	616
Bit of High Life, A.....	IV-IX	C- 10
Canada's Capital on Skis.....	IV-VII	C- 52
Canada's Evergreen Playground.....	IV-XII	C- 49
Canoe Trails Through Mooseland.....	VI-X	C- 15
Chimp's Adventure, The.....	I-III	618
Christmas Time in Toyland.....	I-IX	513
Custard Pies.....	I-IV	400
Daughter of the Glaciers.....	IV-IX	C- 14
Day at the Zoo, A.....	I-VI	393
Dog Show.....	I-IV	424
Donald Duck Super-Service.....	I-X	607
Fluffy, the Kitten.....	I-III	621
Home of the Buffalo.....	IV-XII	C- 42
In Quest of the Bronze Back.....	IV-IX	C- 21
Lakeland Resort.....	VII-XII	C- 66
Literary Fish Story, A.....	IV-IX	C- 22

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Little Boy Blue.....	I-IV.....	511	
Pirate Ship.....	I-IV.....	512	
Ride 'Em Cowboy!.....	V-X.....	C- 44	
Royal Visit to Canada and the U.S.....	IV-XII.....	489	
Sea Going Thrills.....	III-XII.....	421	
"See" Series			
"See" No. 1.....	I-XII.....	425	
"See" No. 2.....	I-XII.....	426	
"See" No. 3.....	I-XII.....	427	
"See" No. 4.....	I-XII.....	428	
"See" No. 5.....	I-XII.....	429	
"See" No. 6.....	I-XII.....	430	
Seeking Steelheads.....	IV-IX.....	C- 18	
Sport Spellbinders.....	IV-XII.....	642	
Stalking Big Game.....	IV-XII.....	C- 65	
Swimming and Diving Aces.....	I-XII.....	614	
Tigers, Leopards, Orang-Outang and Jungle Giants.....	I-XII.....	415	
Valley of a Hundred Peaks.....	IV-IX.....	C- 12	
Wee Anne's Dog Sandy, and Wee Anne and the Snow Man.....	I-III.....	509	
When Day is Done.....	IV-XII.....	C- 40	
Wild Elephant Round-Up.....	II-XII.....	617	
Wings Over World Wonders.....	IV-XII.....	577	
With Lure and Line in Jasper.....	IV-XII.....	C- 45	
Yoho.....	IV-IX.....	C- 11	
Yosemite.....	IV-XII.....	416	

DESCRIPTION OF SILENT MOTION PICTURE FILMS

All films are 16 mm. in width. The length of each film is 400 feet unless otherwise indicated. The letter "Q" is used to designate films that are obtainable from the library of the Department of Education. Each subject is black and white except when colour is indicated. At the end of the description of each film the producer is named. The films are described below in the order of their library numbers. Films produced by Eastman also those indicated by an asterisk (*) are accompanied by Teachers' guides. One reel (400 feet) requires from twelve to fifteen minutes to screen.

Q-1—Alaskan Adventure

This is a timely film. It would furnish a background or supplementary material for Social Studies in connection with present activities in Alaska. The film includes also scenes of deer, and moose hunting, dog teams, Eskimo life, and the break-up. This is a Frank Church film produced by Captain Robertson. Two reels.

Q-2—Alluring Bali

This film depicts the habits and customs of the natives of Bali. It includes cock-fighting and weird folk dances, and shows the influence of priests upon the people. Burton Holmes.

Q-3—Aluminum

This film gives the complete process of the production of aluminum from bauxite to the metal. It shows the manufacturing of aluminum wire, cooking utensils, aeroplane parts and other examples of the practical applications of the metal. Eastman.

Q-4—Andean Trails

This film is both entertaining and instructive. It shows the native customs, the industries and the beautiful scenery of the Andean countries. Educational.

Q-5—Animals and Reptiles of the Desert

This is an authentic picturization of such deadly desert creatures as: leopard, lizard, hydrophobia skunk, and others. Their feeding and predatory habits are well shown.

Q-6—Ants, Nature's Craftsmen

An interesting and educational study of the community life of ants is contained in this film. The roles of the queen, the drones, and the workers are described and the construction of the ant hill is revealed. This film shows the activities of the workers who care for the eggs and the baby ants. DeVry.

Q-7—Argentina

This film portrays Argentina as essentially agricultural and pastoral. It covers Patagonia, a region of sheep-grazing; the arid uplands, which produce heavy crops of sugar cane and grapes with the aid of irrigation; the pampas which combines natural grazing grounds in the heart of the country with rich agricultural areas near the seaboard. The Trans-andean Railroad, the port cities of Bahia Blanca and Buenos Aires, and the Victoria Falls of Iguassu are shown. Eastman.

Q-8—Atmospheric Pressure

This film shows graphically the effect of air pressure variation, its use in machines and its part in weather phenomena. Eastman.

Q-9—Autumn

This is a nature film showing the various methods adopted by animals in preparing for winter. The sequence is: bee hive; beavers building dams; caterpillars; rattlesnakes in caves and crevices; deer; birds migrating southward; porcupine; woodchuck; skunk and hare. DeVry.

Q-10—Beavers

The four divisions of this film are: beaver dams; beaver habits; beaver homes; young beavers. The film is valuable for natural science, language and art activities. Eastman.

Q-11—Beet and Cane Sugar

This film shows the various world regions in which the plants are found; shows the way juice is obtained and refined; and how the sugar is dried and molded into cubes by automatic machines. Eastman.

Q-12—Bird Homes

The Bird homes shown in this film include beach and marsh, meadow, skyscraper and those near the ground. A satisfactory number of familiar birds are shown. Eastman.

Q-13—Birds of North America

This film pictures birds in their natural habitat—the cormorant, the loon, the gull, the tern, the auk, the puffin, the murre, the eider-duck. Cine Art.

Q-14—Birds of Prey

This is an interesting film showing various kinds of hawks, owls, vultures and eagles. Eastman.

Q-15—The Body Framework

This film shows how the skeleton determines shape and size of the body, and how it protects the vital organs. It demonstrates details of bone structure and composition, change during growth, mending of a fractured bone, relation of sunlight and cod-liver oil to bone development and joint action. Eastman.

Q-16—Bolivia

This film gives a description of Bolivia under the headings: its relation to the rest of South America; transportation; rural life; industries. Eastman.

Q-17—Brazil, Amazonian Lowlands

Q-17 deals with the Amazonian Lowlands of Brazil. Views of the jungle and its wild life are shown. Activities connected with the production of rubber are depicted.

Q-18—Brazil, Eastern Highlands

Q-18 shows the Eastern Highlands and its products, with emphasis on the coffee industry. Eastman.

Q-19—Breathing

This film describes the mechanics of breathing, and the structure and function of the air passages and lungs. Eastman.

Q-20—Central America

In the introductory scenes, pictures of palm trees growing along the coast of Central America, views of natives clearing a tropical forest, and glimpses of a street in Guatemala City are shown. Then the film is divided into four units with the following titles: Town and Country; Logging Mahogany; Bananas; and Cacao and Coffee. The information on mahogany, bananas, cacao, and coffee is particularly interesting. Eastman.

Q-21—Chemistry of a Match

This film gives an interesting history of the chemical development of the modern safety match. Herman Ross.

Q-22—Chile

Chile is pictured in this film under the headings: topography; industries; people; cities. Eastman.

Q-23—Circulation

This film shows the circulation of the blood by animated drawings. It shows also the heart structure and explains the change of oxygen for CO₂. Eastman.

**Q-24—Cleanliness—Clean Face
and Hands and Bathing**

This film shows different ways of bathing—tub, shower, washtub. Good citizenship habits are shown. Interesting comparisons are made with birds and animals. Eastman.

**Q-25—Cleanliness—Clean Clothes
and Keeping the Hair Clean**

The habit of cleanliness of clothing and hair is stressed in this film through the medium of animals. The proper preparation for school is emphasized. Care of the hair is outlined in detail. Eastman.

Q-26—Clouds

Various types of clouds are shown in this film, also their significance in weather forecasting. U.S. Department of Agriculture.

Q-27—Coffee

This film is a valuable picturization in good sequence of areas planted, and methods used in production and marketing of coffee. Eastman.

Q-28—Common Salt

This film tells the story of salt under the headings: nature of salt and its uses; surface salt—methods of production; rock salt—methods of mining and producing. Eastman.

Q-29—Cotton Growing

This film was produced in Southern United States where about half the world's supply of cotton is grown. This film contains good material and makes use of animated maps, and diagrams. Eastman.

Q-30—Digestion

This film shows the organs of the digestive tract and the structure and functions of each. The processes of digestion and absorption are described in detail. Eastman.

**Q-31—Heat and Light From
Electricity**

This film presents some of the facts underlying a working knowledge of the principles of electricity. It covers four units: electric circuits (series and parallel), conductors and insulators, light and heat from electricity. Eastman.

Q-32—The Eyes

A good comparison of camera and eyes is given in this film. The care of sight is demonstrated at a junior level of understanding. Eastman.

Q-33—The Eyes

In this film, detailed diagrams show the structure of the eye. The process of vision and the use of lenses to correct faulty vision and the care of the eye are all described. Eastman.

Q-34—The Farm

This is an excellent film for Grades I-VI. For Division I, farm animals and work and play on the farm are well presented. For Division II, it offers an opportunity for the observation of farm work in detail. Eastman.

Q-35—The Feet

This film shows the structure of the foot; its mechanical use; and care of the feet. It is valuable for health courses. Eastman.

Q-36—The Flame of Life

This film explains production of energy in living things by comparison with the production of energy in the burning candle. The chemistry of combustion is illustrated by animated diagrams.

Q-37—Formation of Soil

This film shows the processes of soil formation either through animation or demonstration. The forces of erosion and weathering are portrayed, and the concept of the changing character of the earth's surface is illustrated. Eastman.

Q-38—From Haiti to Trinidad

This film gives valuable information on the West Indies. Eastman.

Q-39—Game Birds

This is an excellent picture of ducks, geese, grouse, quail, and pheasants in their natural habitat. Eastman.

Q-40—Guatemala

This film presents architectural and industrial features of Guatemala. Some information is given on Indian life. Educational Travel Series.

Q-41—How Birds Feed Their Young*

This is an excellent film in natural colour. It is instructive in showing various methods of feeding. Such birds as cedar waxwing, heron, bittern, snakebirds, young quail are shown.

How Life Begins

Q-42—Cell life, Yeast

Q-43—Plant Life and Sea Urchin

Q-44—Swallow-tail Butterfly and Frog

Q-45—Chick and White Rat

These films present life photographs and diagrams to illustrate the beginning and the development of life in all types of living organisms.

Q-46—How Teeth Grow

This film presents, by actual photography, models and diagrams to show the structure of teeth and the chronological stages in the development of teeth from infancy to maturity. Eastman.

Q-47—Illumination

This film covers four topics: progress of illumination, measurement of illumination, quality of illumination, and interior lighting. Eastman.

Q-48—India—the Punjab

The habits and customs of the people of India and views of Delhi are shown in this film. Eastman.

Q-49—Induced Currents

In this film are shown the induction of electric currents, the conversion of alternating current into direct current by commutators and the operation of generators, transformers and telephones. Eastman.

Q-50—Lenses

This film shows the manufacture of lenses and explains with diagrams the action of light passing through lenses. Eastman.

Q-51—The Living Cell

This film deals with the important facts concerning the structure and behaviour of cells. It includes the single-celled organisms—yeast, amoeba and paramecium, also many-celled organisms—hydra and flatworm. Good photography of cell-division is shown. Eastman.

Q-52—Mold and Yeast

With the aid of time-lapse photography and micro-photography, hyphae, spores, spore cases, germination of spores, growth of plus and minus strains, union of strains, budding of yeast plants, and many other phases of the growth of mold and yeast are shown. 200 feet. Eastman

Q-53—The New South

Agricultural products of the South, such as cotton, tobacco, rice, are shown in this film, also industries and shipping points, with air views of New Orleans and Miami. Eastman.

Q-54—Ovulation, Fertilization, and Early Development of the Mammalian Egg

This film shows the physiology of reproduction of domestic animals. It includes very good life cinematography and diagrams. Two reels. U.S. Department of Agriculture.

Q-55—People Who Live in a Crowded Valley*

This is an excellent film for Social Studies. It is perfectly pictured and

shows intimate knowledge of the people and their occupations. DeVry.

Q-56—Peru

Peru is pictured under the following headings in this film: the three geographical divisions; industries; ruins of Inca civilization; cities. Eastman.

Q-57—Pig Iron to Steel

This film traces the story of pig iron as put in the furnaces and through the various processes until it is steel ready for market. Eastman.

Q-58—Posture

This is a very good health film on postural development. It is divided into three parts: standing posture, sitting posture, importance of good posture. Eastman.

Q-59—Production of Crude Oil

This film deals with the production of crude oil in the United States under the headings: preparation for drilling, actual drilling, transportation. Eastman.

Q-60—Reproduction of Plants and Lower Animals

In this film, microscopic photography shows processes of pollination, conjugation and other methods of reproduction in plants and lower animals. Bell and Howell.

Q-61—The Road to Health and Happiness

The important general health rules and habits are well demonstrated in this film. Modern methods of dental care are shown. Up-to-date nutrition trends are emphasized. Dr. David Bennett Hill.

Q-62—Rocky Mountain Mammals

This is a very good study of mountain animals in their natural haunts. Mammals of the open plains, heavy forests, dwarf timber and barren heights are shown. This includes antelope, coyote, deer,

mountain lion, grizzly bear, pack rat, mountain sheep, marmot and mountain goats.

Q-63—Silent World Beneath the Sea

In this film, a series of underwater pictures show many different anemones and their characteristics.

Q-64—Some Friendly Birds

Good pictures of chickadees, nuthatches, wrens, bluebirds and woodpeckers are included in this film.

Q-65—Some Larger Mammals

This film includes good pictures of buffalo, black bears, white-tailed deer, elk and moose. Eastman.

Q-66—Spring

The sequence of this film is: frogs' eggs and tadpoles; pussy-willows; young robins; young emus; deer shedding antlers; fawns; ground-hogs emerging; several pictures showing young animals in the zoo. Bray.

Q-67—Street Safety

This is an excellent film for primary children. Positive actions are the ones most emphasized. All the most important street safety rules are reviewed. Eastman.

Q-68—Summer

This film concentrates on nature topics: construction of a bee hive; insects and their enemies (toad, mole, bat); summer storm (cumulus clouds, lightning); the life history of a frog. DeVry.

Q-69—Three Little Bruins in the Woods

This is an amusing story of three baby bears and their adventures through the woods. Various animals are shown such as otter, muskrat, baby fawns, foxes, porcupine, owls, bees. This film would appeal to the interests of smaller children. Castle.

Q-70—Toilers of the Grand Banks of Newfoundland*

This film describes how the fishermen of the East Coast get their living. It gives an explanation of the abundance of fish. Canadian Government Motion Picture Bureau.

Q-71—Modern Developments in Turkey

This film pictures industry, agriculture and education, also city life in Turkey and shows the effect of modernization. In reel two, the agricultural conditions in Turkey are discussed. Two reels. Eastman.

Q-72—Vitamin B₁

Important sources of Vitamin B₁ are outlined. A graphic report is given of an experiment with white rats. Positive factors are stressed. This film could also be used to supplement in the Integrated Programme in Grades III, IV and V. Eastman.

Q-73—Vitamin D

In this film, sunlight is shown as a factor in the production of Vitamin D. The lack of Vitamin D is shown in poor teeth and bone formation. An interesting experiment is shown with rachitic rats who were fed Vitamin D. Production of Vitamin D from fish oils is sketched briefly. Eastman.

Q-74—The Water Cycle

The water cycle is clearly shown by means of animated drawings supplemented by photographs following, in so far as is possible, along the same lines. Eastman.

Q-75—Waterways of Canada*

This film deals with the St. Lawrence and MacKenzie Rivers systems showing their importance with regard to transportation and power development. National Film Board.

Q-76—Winter

This film deals with nature's preparation for winter. The sequence is: young ducks and otter encountering ice for the first time; "Mare's tail" or "Cirrus" cloud formations preceding the first snow storm; polar bear and buffalo; snowflake forms; a blizzard; animals in winter—squirrel, deer, woodchuck, wild turkey, hare and rabbit; protective colouration of hare. One of the best frames of the film shows a woodchuck taken from his hibernating sleep and awakened by warmth. DeVry.

Q-77—Woolen Goods

This film presents an interesting contrast of domestic and factory methods of wool production. The manufacturing of a woolen overcoat is illustrated. Eastman.

Q-78—Adopting a Bear Cub

This is an amusing story of a little orphan bear, brought up on a bottle. His antics with the children and their dog would entertain young children. 225 feet. Bray.

Q-79—Adventures of Peter

Peter is a wire-haired fox terrier. Peter goes camping and has adventures with many animals. His greatest adventure is with the bears, and his greatest fun with a bear cub. Eastman.

Q-80—Air

This film describes the nature of wind and shows how the speed of the wind is measured. Animations and photographs depict the causes and effects of a tornado. Laboratory experiments demonstrate that air expands when heated, contracts when cooled, that it has weight, and that it exerts pressure. The film then describes how, by virtue of these properties, man makes use of air in sailing ships, building bridge foundations with the aid of caissons, flying planes and dirigibles, submerging and floating submarines, and raising sunken vessels. DeVry.

Q-81—Alaska

This is an interesting film of life in Alaska. It depicts the scenery, industries, and life of Alaska: gold mining, salmon fishing, seal hunting, whaling, native life and schools, and the prosperous farms of American settlers. This film helps to dispel the belief that Alaska is a country of only glaciers, ice and snow. Eastman.

Q-82—Anthracite Coal

This film stresses the necessity of adequate timbering in coal mines, shows the miners at work, the blasting of coal and removing it from the mine, work in the breaker, and the cleaning and grading of coal. Eastman.

Q-83—Balboa

This is a shadowgraph film produced by the pupils of Woodland School, Vancouver, British Columbia. The story of the film begins in the year 1510, when Balboa is discovered as a stowaway on board a ship bound for the Spanish colony of St. Sebastian on the Caribbean Sea. Some of the experiences of Balboa and his Spanish companions between this period and the time of the discovery of the Pacific Ocean on January 26, 1513, are portrayed in the film. Shadowgraph.

Q-84—Behaviour of Light

This is an excellent film on the phenomena of light. It explains eclipses, the formation of images in mirrors, also refraction and dispersion of light. Eastman.

Q-85—Bicycling With Complete Safety

This film demonstrates rules for safe bicycle riding and illustrates the reasons for these rules and the results of their infringement. The situations are those found in everyday life. Children are used as actors. The responsibilities of the children are stressed. This film will be found useful in developing a favourable attitude towards traffic regulations in general,

and in instilling better relationships between safety enforcement officers and children. Bell and Howell and Calvin.

Q-86—Calcutta

The film presents views of buildings, streets, and parks in India's largest city. A detailed study is presented of the sculpture and architecture of a Hindu shrine. Various types of native dress are shown. Scenes of the Calcutta Derby are included. Pathe.

Q-87—Chemistry of Combustion

This film presents experiments starting with simplified combustion and progressing through more complex phases; it illustrates combustibility of different elements and shows some of the dangers of combustion experiments. Edited Pictures System.

Q-88—Canada's Maple Industry

This film depicts one of Canada's oldest industries. In the first part of the film, the pioneer methods, in which sanitation was an unimportant factor, are shown briefly. Then the film indicates that modern processing methods have replaced the primitive methods of pioneer days. The various stages in the manufacture of maple sugar for commercial purposes are carefully developed. National Film Board.

Q-90—Chumming with Chipmunks

This film was prepared by members of the National Audubon Society for the protection of wild birds and animals. The purpose of the film is to show that, by kindness and patience, the little creatures of the woods may be studied under perfectly normal conditions. This instructive, amusing and beautiful picture would be of intensive interest to elementary grades. 250 feet. Bray.

Q-92—The Comma Butterfly

This film is a picturization of the life cycle of the ragamuffin of the butterfly world—from delicately flut-

ed eggs to caterpillar; then sleep and final emergence into one of the most beautiful of butterflies. 300 feet. Bray.

Q-93—Consumer Cooperation in Sweden

The introduction to this film makes the point that through the co-operatives the consumers in Sweden have come into ownership and control of a substantial portion of Sweden's business.

The film proceeds to trace briefly the history of Kooperativa Forbundet, the manufacturing, wholesaling, organizing, and educating society of which the local co-operatives are members. Then there are scenes showing some of the various activities of this Society. Among these are manufacturing plants, the correspondence school, the architectural bureau, the specialized school of Var Gard, and local cooperative stores which serve the people of Sweden.

The last section deals with the housing cooperatives. Throughout this part, an attempt is made to show not only the cooperatives themselves, but the significance of the movement for the people of Sweden. Three reels. Harmon.

Q-94—Cortez and Montezuma

This is a shadowgraph film produced by the pupils of Woodland School, Vancouver, British Columbia. It tells the story of the adventurous life of Hernando Cortez, of his relationships with the Aztec King, Montezuma, and of the series of events leading to the conquest of Mexico by the Spaniards under the leadership of Cortez. The captions on the film tell the story well, and the photography vividly illustrates the various conflicts between the Spaniards and Aztecs. The quest for gold, which was the driving force impelling the Spaniards to action, is portrayed. Shadowgraph.

Q-95—Cotton Goods

This film pictures the spinning, weaving, knitting and testing of

cotton fabrics. Various uses of cotton are given. Eastman.

Q-96—The Cycle of Erosion

This film demonstrates how the surface of the land is changed by running water. The progressive development of valleys and regions through the three stages in the erosion cycle, youth, maturity, and old age, is portrayed. Diagrams and a stream table are used extensively in the explanations. Photographs are given of regions typical of each erosion stage. Harvard-Pathe.

Q-97—Denmark

Efficient methods of farming small farms; cooperative granary, dairies, poultry farms are shown. Export trade is pictured and described, also shipping, shipyards, building of marine motors, and important Denmark products such as matches, chocolate, porcelain. A fishing fleet is pictured. There is also shown life in small towns and interiors of typical homes, public schools, interior and exterior, and scenes in Copenhagen. This film will have value in giving a clear idea of conditions in Denmark prior to World War II. Eastman.

Q-98—The Earth—Surface and Climate

This film explains and illustrates how the rotation of the earth causes day and night, and how the revolution of the earth around the sun causes the seasons. The division of the earth into the climatic zones is shown and reasons are given for the varying temperature of these zones. The physical features of the earth's surface are considered. Animated diagrams are used throughout this film. Edited Pictures.

Q-99—Earthquakes

This film is one of the Structure of the Earth series. It is reported good for explaining the causes of earthquakes, and for demonstrating the instruments used in recording and locating their centres. It gives impressions of the damage done by

earthquakes. There are many animated diagrams and much good photography. It should be useful in developing an appreciation of scientific advances. In the film, volcanic earthquakes are distinguished from tectonic earthquakes, and the types of wave motions which the latter involve are studied. The operations and the mechanisms of the seismograph are considered. Films of Commerce.

Q-100—The Earthworm

This film reveals the value of earthworms to mankind. It demonstrates how they burrow, their methods of locomotion, and their breathing apparatus and system of elimination. The bi-sexual physique and method of reproduction are explained. Biology classes will find this film very valuable. Edited.

Q-101—Exotic Egypt

Street and market scenes of the cities of Alexandria and Cairo, characteristic Egyptian sail-boats on the Nile, the primitive water-wheel worked by buffaloes, and the ancient monuments and statues are pictured. There are some fine views of mosques and minarets. Castle.

Q-103—Chemical Effects of Electricity

This classroom film illustrates the various uses of electricity from a chemical standpoint. The subject matter of the film is divided into six clearly defined parts: making storage batteries; electrolysis; electroplating; electrotyping; and electrolysis in metallurgy. Animated drawings and excellent photography make this film a very valuable one. Eastman.

Q-104—Felling Forest Giants

This film gives a detailed story of the lumber industry in the mountains of North Carolina and in the great forests of the Northwest. Logs are taken from the forests to the mill by mule and oxen, by skidway, and by floating them down the stream.

There are various scenes in temporary and permanent lumber mills. Pathe.

Q-105—Fighting Salmon

This film centres around salmon fishing in New Brunswick. Cains River is spoken of as the Mecca of fishermen. Beautiful scenes on and along this river are shown. Methods of catching the salmon are depicted. In New Brunswick, salmon from the Atlantic Ocean go up into the rivers every year. Several scenes show the holiday aspects of catching salmon in these rivers. N.F.B.

Q-106—Fire Prevention

In this film we see fire-resisting construction, riveters at work, the pouring of concrete, the testing of windows, and the use of asbestos. Electrical insulation, testing insulation, effects of faulty insulation, lightning rods, animation showing action of lightning rods, testing electric irons, and animation of electric iron are shown. Other features are the safeguarding of inflammable materials, disposing of hot ashes and burning matches, testing matches, spontaneous ignition, dangers of gasoline cleaning, and the rubbish heap. This film was produced in 1930. Eastman.

Q-107—First Aid Care of Minor Wounds and Control of Bleeding

Care of Minor Wounds stresses the importance of immediate care for even the slightest wound. It demonstrates the proper method of applying sterile dressings. $\frac{1}{4}$ reel. Control of Bleeding shows, with actual photography and animated diagrams, accepted methods of control of arterial and venous hemorrhages. $\frac{3}{4}$ reel. Eastman.

Q-108—Food and Growth

By using white rats, children demonstrate the effects of different foods on growth. This film is excellent for teaching the value of milk as a food. Eastman.

Q-109—The Frog

This is an excellent film portraying the life-history and the life processes of the frog. By means of close-up photography, the changes which accompany the development of the frog from egg to tadpole and from tadpole to adult are described in detail. The food-taking habits of the frog are observed. The digestive, respiratory, excretory, and nervous systems and the functions and action of each are shown by diagrammatic action. Edited Pictures System.

Q-110—From Tree to Newspaper

This film pictures the steps involved in felling a tree, getting out logs, floating them to market, making wood pulp, and making paper ready for printing in a newspaper plant. Eastman.

Q-111—Gas Engine

This film shows the four-stroke cycle motor, the fuel system, the ignition system and the cooling system of a gas engine. Eastman.

Q-112—Glaciers

This film presents a study of existing glaciers, their classification, modes of origin, motion and characteristics, and the work which they are doing in changing the landscape. The effect of glaciers on the land surface are considered both from the standpoint of erosion and deposition, with illustrations of the different land forms produced. Harvard-Pathé.

Q-113—The Grasshopper

This film pictures in detail the structure of the grasshopper and explains its physical development from egg to maturity. The process of reproduction is described. The regions of the North American continent infested with grasshoppers are shown, also the futility of preventatives due to their migratory habits. Edited Pictures.

Q-114—The House Fly

Each phase of a fly's life is clearly shown in this film. The film has definite value in the teaching of health. Pathe.

Q-115—How Beans Grow

This film portrays, by means of slow motion photography, the growth of the bean plant from the seed. A labelled diagram shows the various parts of the bean seed and a test for starch shows its presence in the seed. The principle of osmosis is demonstrated by experiment. The function of the roots is described. Edited Pictures.

Q-116—How the Telephone Talks

This film gives a very interesting and instructive description of one of our best known devices. A simple animated diagram shows how sound waves are converted into electrical waves or impulses and how these electrical waves are converted into sound waves at the receiver. 200 feet. Bray.

Q-117—How We Breathe

By animated diagrams, this film illustrates the breathing process, shows the formation of the human lungs and explains how they function in purifying the blood. 200 feet. Bray.

Q-118—How We Hear

This film, by means of animated technical drawings and photography, explains the functions of the outer, middle and inner ear, and how sound waves are conveyed to the brain. 125 feet. Bray.

Q-119—The Hydra

The fresh water hydra is studied by means of microphotography and animated diagrams. The structure of the hydra is shown and the functions of the three body layers, the ectoderm, mesoderm, and endoderm are given. Methods of self protection and locomotion are described. Animated diagrams portray the processes of

food gathering and digestion. Asexual and sexual reproductive processes of the hydra are explained. Edited Pictures.

Q-120—Irrigation

This film presents a brief outline of the methods of irrigation in use in the United States. The areas of the United States with insufficient moisture for the growing of crops are shown on a map. Methods of preparing fields for irrigation, locating and digging irrigation ditches, and constructing levees are studied. The means by which water is conveyed to the irrigation ditches when the land is rolling are depicted. The film finally describes the various systems of irrigation which are suitable for several different types of crops. The United States Dept. of Agriculture.

Q-122—The Little Swiss Wood-Carver

Swiss peasant life is depicted in this story of the son of a Swiss wood-carver. Incidents in the history of Switzerland, also views of Swiss mountain scenery and other points of interest in Switzerland are pictured. Pathe.

Q-123—A Lost World

This film is good for showing the appearance of several different kinds of dinosaurs. It should be useful in giving an understanding of the size and ferocity of prehistoric reptiles. The film is highly imaginative. Prehistoric animals are presented as still existing in an isolated area. The fights between the animals are stressed, and other activities are briefly suggested. The film was edited from the theatrical picture, **A Lost World**. Among the animals shown are the pterodactyl, the allosaurus, the triceratops, and the tyrannosaurus. Eastman.

Q-125—The Mining and Smelting of Copper

This film pictures some of the physical properties of copper, the

states in which copper is found, the methods by which it is mined, concentrated, and smelted, and various factors affecting the production of copper. Eastman.

Q-126—The Mongols of Central Asia

This picture is a study of the peoples who live on the upland steppes of Mongolia. The location of this region is shown by an animated map. The Mongols are nomads and use the yak, the horse, and the camel to transport their household goods from one pasture land to another. For their chief necessities of life, food and clothing, they are largely dependent upon their flocks of sheep. The physical characteristics of this purest type of Asiatic man are studied and typical dwellings, games, customs, and clothes are shown. Harvard-Pathe.

Q-127—Mosquitoes

This film depicts the life history of the mosquito, carrier of the yellow fever and malaria. It also describes the method by which science is making swamps and jungles safe for man. 1,202 feet. Cine Art.

Q-128—Mysteries of Snow

This film presents sparkling pictures of a snowstorm in the state of Maine, and follows with an analysis of snowflakes in drawings and microphotographs. Bray.

Q-129—The Nitrate Industry of Chile

Animated maps indicate the location of the nitrate plateaus of Northern Chile where the nitrate mines are situated. Activities connected with the mining of the ore or caliche are pictured, and the operations of the refining plants are shown. Views are given of a town where the employees of a refining plant live. The film then shows how the nitrate of soda is transported over the mountains from the plateau to the seaport, where it is loaded on the lighters and into ships for shipment to other

countries. Unloading and bagging activities are depicted. The value of nitrate as fertilizer is stressed. Films of Commerce.

Q-131—Optical Instruments

This film shows the fundamental principles of light as applied to optical devices. It covers spherical and parabolic mirrors, the eye, defects of the eye, the camera, film projectors, the microscope and the telescope. Eastman.

Q-132—Our Common Enemy— The House Fly

This film depicts in detail the life history and structure of the house fly. It describes the peculiarities in structure of eyes, wings and feet and its adaptations for the procuring of food. It shows also the menace of the house fly as a carrier of disease germs. This is a useful film in the teaching of health education. Films of Commerce.

Q-133—Our Four-footed Helpers

This picture deals with the members of the Ruminant family of mammals of which the cow is the most well-known example. It stresses the service given by these animals throughout the ages to man as providers of food and clothing and as beasts of burden. By means of animated drawings, the digestive process of the cow is described. Several other members of the Ruminant family are shown, such as the zebu of India, Old World buffalo, American bison, gnu of South Africa, giraffe, camel, llama of South America, and the deer of Europe and America. Pathe.

Q-134—Pacific Coast Salmon

Multitudes of plucky salmon jump waterfalls, struggle in rapids, and swim upstream against swift currents to reach their spawning beds. Natural and artificial spawning, seine and trap fishing, packing and canning are pictured in this film. Eastman.

Q-135—People Who Live in the Arctic

This is an informative film dealing with the life of the Eskimo people. The rigorous environment with which these people contend is indicated by pictures of the rocky terrain, icebergs, expanses of icy water and of snow-covered ground. The importance to the Eskimos of the whale and the seal as sources of food, fuel, clothing, and utensils is shown. Glimpses are seen of children at play. Views are given of a great round-up of reindeer in which the reindeer are segregated into various herds. DeVry.

Q-136—Preparedness Among Ants

This film depicts the community life of an ant colony, the differentiation of the members of the colony into three classes: queen, workers, and soldiers, and the work performed by each class. The industrial, engineering, and military activities of the ant colony are shown. The film is divided into the **prologue**, which shows the queen selecting a site for a home; **act one** shows the discovery of plant lice, and the approach of enemies; and **act two** portrays the invasion and successful defence of the colony. Bray.

Q-137—Puerto Rico

This film indicates the development of this island under United States control, and shows how location and climate make it a rich producer of agricultural raw materials. The film is divided into four units: San Juan, schools and colleges, rural life, and agricultural and industrial products. Eastman.

Q-138—Refining Crude Oil

This film contains demonstrations and animated drawings to show methods of refining gasoline, kerosene, paraffin, lubricating oil, and cracking fuel oil. It also deals with asphalt and coke. Eastman.

Q-139—Refrigeration

This film deals with the cutting, transporting and storing of natural ice; also with commercial refrigeration (dry ice, and artificial ice), and household refrigeration (electric and gas refrigerators). Eastman.

Q-140—Rural Quebec Folkways

This presentation of unusual scenes of this part of the North American continent shows a survival of 17th century life in present day conditions. The people plow with oxen, spin and weave at home on hand wheels and looms, make all their own clothing and provide practically all their own food. It also shows the religious fervor of these people as well as their different forms of entertainment. This film might be used as an example of self-sustaining people who are not really interdependent. Bell and Howell.

Q-141—Russia

Reel 1 of this film presents glimpses of Moscow and urban life, buildings and methods of transportation. It also deals with government ownership.

Reel 2 deals with the development of agriculture, showing the old style method of farming and the modern Russian method.

Reel 3 deals with Leningrad and industry and is not so valuable in understanding modern Russia as the two previous reels.

Three reels. Eastman.

Q-142—Safety in the Home and at Play

This safety film would be of value in all grades of the Elementary School. Such safety practices as safety with playthings, with fire, and at play out of doors are emphasized. Eastman.

Q-143—Vacation Safety

This film is divided into the following units: water safety in an organized group—good swimming precautions; boating; safe conditions in camp; fire building. Eastman.

Q-144—Shakespeare and Stratford-on-Avon

This film opens with the statement that Stratford-on-Avon and Shakespeare cannot be treated apart. They form one idea and ideal, like Burns and Ayr, Dickens and London, or Victor Hugo and Paris. Whatever beauty a place may possess by itself, it takes on a deeper interest when we learn that Shakespeare lived in it, loved in it, or merely wandered through it. Important facts in the life of the dramatist are portrayed throughout the film, together with scenes from the environs in which Shakespeare lived, and suitable selections from Shakespeare's plays. Novelty Films.

Q-145—Modern Developments in Siberia

This is an authentic picturization of Siberian life showing the Mongolian and Indian race trends (Buryats and Tungus), the government schools and sanitoriums, and the introduction of modern machinery in farming and mining. The second reel is complete without the first. Two reels. Eastman.

Q-146—Silk

This is an excellent teaching film showing the production of raw silk and the manufacture of silk fabric, including fabric with patterns. Eastman.

Q-147—Simple Machines

Levers, wheels and inclined plane are explained and presented as fundamentals. Complex machines are seen to be combinations of simple machines. Pulleys are also explained in drawings. Eastman.

Q-148—Speaking of Safety—Street Safety

This film may be used to advantage in teaching street safety to children of the lower grades. Automobiles come to life and comment on actions of children which may endanger their lives on the street. Correct

procedures are shown. Films of Commerce.

Q-149—The Story of Asbestos

This film gives information about the source, mining, manufacturing, and uses of asbestos in modern industry, and demonstrates some of the physical properties of asbestos. Close-ups show the appearance of asbestos ore. Views of blasting and cobbing asbestos ore in a mine at Asbestos, Quebec, are followed by scenes showing the transportation of the ore to the mill. The ore is crushed in a rotary crusher and the fibres are removed by a vacuum apparatus. The carding, spinning, and weaving of asbestos are shown. The manufacturing of asbestos paper is depicted. Other titles and scenes show asbestos used for fireproof roofing, for pipe insulation, and for other purposes. Two reels. U.S. Bureau of Mines.

Q-150—The Story of Coal and Coal Mining

This film shows by means of animation and actual photography the formation of coal through the ages, the coal areas, and how coal is mined and graded. 300 feet. Bray.

Q-153—Wanderers of the Arabian Desert

This film presents a study of the hardy and warlike people who inhabit the occasional fertile parts of the Arabian desert. Various occupations of the men and the women are described. The men devote themselves chiefly to the breeding of horses, and, in the mountainous regions of the Arabian plateau, to the herding of sheep and goats. The women bake bread, spin and weave cloth for clothing and for the tents which constitute their homes. When

Arabs make their frequent moves to new pasture land, camels are used to transport their belongings. The patriarchal character of the social organization among the Arab tribes is portrayed. Harvard-Pathe.

Q-154—Water Sports

This film presents scenes of yachting, speed-boat racing, and fishing activities. Exhibitions of swimming and diving are given. This is reported to be an interesting film correlating well with Health Education. Castle.

Q-156—The Work of Underground Water

This film presents a study of the geologic work of underground water and the expressions of the result on the surface. It illustrates the formation of springs, artesian wells, sink holes, caverns and natural bridges. Harvard-Pathe.

Q-157—Yellowstone Park

This film pictures geysers, and bird and animal life of Yellowstone Park. Eastman.

Q-158—Yugoslavia

This film was produced by Eastman in 1940. It portrays the simple peasant life on a small farm in Yugoslavia. There one sees the growing of vegetables and flowers for commercial seed and the threshing of the seed, hog raising, rug weaving, the use of modern machinery on a larger farm, and an elementary school. In Belgrade, the capital, scenes of the waterfront, the old fort, and, in the modern city, scenes of the market place, of the streets, of the railway depot, and of the modern public buildings are presented. The photographic material is excellent but the editing is not up to modern standards. Eastman.

The following silent films are obtainable from the Library of the Division of Visual Instruction, Department of Extension, University of Alberta, at the usual rental rates.

C-2—The City of the Foothills

This film gives views of Calgary, Alberta, its recreational centres and its stampee, also of the oil fields of Turner Valley. Canadian Government Motion Picture Bureau.

C-3—The City of Sunshine

Scenes of beautiful gardens and prominent buildings of the City of Victoria, British Columbia, are shown in this film. Canadian Government Motion Picture Bureau.

C-4—Canadian Pacific Gateway

This film pictures the beautiful City of Vancouver, its harbor and scenic wonderland. Canadian Government Motion Picture Bureau.

C-5—Canada's Queen City

This film is a picturization of Toronto, Ontario, its buildings and its thoroughfares. Canadian Government Motion Picture Bureau.

C-6—Canada's Metropolis

This film is an air view of the City of Montreal, Quebec, showing its buildings and commercial centres. Canadian Government Motion Picture Bureau.

C-7—The Maritime Provinces

This film presents views of the landscape and industries of Nova Scotia, New Brunswick and Prince Edward Island. Canadian Government Motion Picture Bureau.

C-8—Rambles in Gaspesia

This picture shows the environs and landscape of Gaspé. Canadian Government Motion Picture Bureau.

9—Little Dutch Tulip Girl

Tom, a little American boy, falls asleep and dreams that he is wandering through Holland with Katrina,

a little Dutch girl who wears the lace cap, the full skirt and the wooden shoes of her native village of Vollandam. Katrina shows Tom The Hague, the art of tree clipping in Aalsmeer, the town of Leiden, the Isle of Marken and the famous tulip and cheese industries of The Netherlands. She shows him how Dutch children live and play, what their schools are like, and explains why dikes have to be built in Holland. Pathe.

C-9—Isles of Romance

This film portrays the landscape, cities, and peoples of the West Indies. Canadian Government Motion Picture Bureau.

C-10—A Bit of High Life

This film is a picturization of the mountains and glaciers near Lake Louise. Canadian Government Motion Picture Bureau.

C-11—Yoho

This film presents views of mountain scenery in the Yoho Valley of the Rocky Mountains. Canadian Government Motion Picture Bureau.

C-12—Valley of a Hundred Peaks

This film pictures the scenery in the Tonquin Valley, Jasper National Park. Canadian Government Motion Picture Bureau.

C-13—Tenderfoot Trails

In this film, are shown scenes of camping, riding and fishing at a Dude Ranch in the Canadian Rockies. Canadian Government Motion Picture Bureau.

C-14—Daughters of the Glaciers

This film includes scenes on a boat trip around Maligne Lake, Jasper National Park. Canadian Government Motion Picture Bureau.

C-15—Canoe Trails Through Mooseland

This film presents action views of wild life—hunting with a camera. Canadian Government Motion Picture Bureau.

C-16—Niagara, the Glorious

In this film are seen very vivid and interesting pictures of Niagara Falls. Canadian Government Motion Picture Bureau.

C-17—When Winter Comes

This film depicts winter sports in Banff such as snowshoeing, skating, curling, hockey and tobogganing. Canadian Government Motion Picture Bureau.

C-18—Seeking Steelheads

Steelheads, a great game fish, can be found only on the Pacific Coast, Vancouver Island. Canadian Government Motion Picture Bureau.

C-19—Harvesting the Deep

This film describes deep-sea fishing on the Atlantic Coast. A steam trawler leaves Halifax for the fishing grounds. Operations begin—nets overboard; hauling in the nets; sorting, cleaning, washing and storing the fish on the boat; back to port—unloading the fish; preparing the fish for shipment. National Film Board.

C-20—An Angler's Idyll

This film presents views of trout fishing in Northern Ontario. Canadian Government Motion Picture Bureau.

C-21—In Quest of the Bronze Backs

Fishing for bronze-backs in Northern Ontario is shown in this film. Canadian Government Motion Picture Bureau.

C-22—A Literary Fish Story

This film follows the travels of three well-known literary men on a

fishing trip in Quebec. Canadian Government Motion Picture Bureau.

C-25—Lumbering in British Columbia

This film reveals lumbering operations carried on in the forests of British Columbia. Methods of felling the timber, transporting to mills, converting into lumber, and exporting are shown. Canadian Government Motion Picture Bureau.

C-26—Conquest of the Forest

This film is a realistic picture of this important Canadian industry. Nature's transportation system is well shown. National Film Board.

C-27—The Drive is On

This film depicts logging operations of the Canadian lumber industry, showing the breaking up of jams. Canadian Government Motion Picture Bureau.

C-28—Forest Fire Fighters of the Skies

This film shows how Canada protects her forests from the ravages of fire, by aerial patrol and service. Two reels. Canadian Government Motion Picture Bureau.

C-32—Growing Canadian Apples

This film shows methods employed for the production of first quality fruit, for the prevention of disease, for pollination and for the conservation of moisture. Two reels. Canadian Government Motion Picture Bureau.

C-35—Marketing Canadian Apples

These reels are two good pictures of the apple industry. First is shown the industry in British Columbia. This is contrasted with the methods used in Ontario and Nova Scotia. Details are complete from orchard to shipping on train or boat. Two reels. Canadian Government Motion Picture Bureau.

C-40—When Day is Done

The camera has caught and woven into a little picture poem the glories that come to thrill the soul of man when day is done. Canadian Government Motion Picture Bureau.

C-41—Cradle of Rivers

This film presents views of beautiful mountain scenery along the Banff-Jasper Highway. Canadian Government Motion Picture Bureau.

C-42—Home of the Buffalo

The buffalo are shown at home in the National Park at Wainwright, Alberta. Two reels. Canadian Government Motion Picture Bureau.

C-44—Ride 'Em Cowboy

This film shows scenes from one of the famous Calgary Stampedes. National Film Board.

45—Carlsbad Caves

This film is a picturization of the Carlsbad Caves, a natural wonder of New Mexico formed by downward movement of the earth at first. The great beauty of the caves is due to the formation of stalactites and stalagmites from mineral-laden water dripping from the roof. DeVry—Marvels of the World Series.

C-45—With Lure and Line in Jasper

This film presents views taken during a vacation in a fisherman's heaven. Canadian Government Motion Picture Bureau.

C-47—The Beaver Family

These are two good reels of the beaver family taken at the home of Grey Owl. They are similar to C-51. Two reels. Canadian Government Motion Picture Bureau.

C-49—Canada's Evergreen Playground

This film includes pictures of the scenic beauty of Victoria and Vancouver Island, British Columbia.

Canadian Government Motion Picture Bureau.

50—Hopi Indian Life; Navajo Indian Life

The story of the home life, dress, customs and industry of the Hopi and Navajo Indians, also of South Sea Savages, is shown in this film. Cine Art.

C-50—Here and There with the Birds of Canada

This film presents an excellent study of Canadian birds including Canada goose, snow goose, tern, flicker and others.

C-51—The Beaver People

This is a very good picture of Grey Owl and his beavers. Food and living habits are well depicted. This film could be used to advantage in the integrated programme from Grade II to Grade VI. Canadian Government and C.P.R.

C-52—Canada's Capital On Skis

This is an excellent skiing picture. Associated Screen News.

C-53—Digging up the Past

This film shows the hunting of dinosaurs in Alberta's Bad Lands. Complete reconstruction of a Dinosaur is also shown. Canadian Government Motion Picture Bureau.

C-56—Industrial Workers of Central Canada*

This film deals with the development of the industrial section of Canada (Ontario and Quebec) with emphasis on the development of factories. National Film Board.

C-57—Farmers of the Prairies*

An animated map shows how the Canadian Ice Cap deposited a rich black soil on what are now the western prairies. This picture traces the development of wheat farming and mixed farming. National Film Board.

C-58—West Coast Mountains*

The chief merit of this film lies in its presentation of how mountains provide raw materials for industries. The scenes of the film are in the mountains of British Columbia where the chief industries are lumbering, fishing, mining and fruit-growing. National Film Board.

C-59—Spring Wild Flowers

This film presents wild flowers in colour. Some are native but all are interesting. Crawley.

C-60—Playground of Two Nations

This is a picture of beautiful mountain scenery in Glacier and Waterton Lakes Parkes. Canadian Government Motion Picture Bureau.

C-61—Lake Louise to Lake Beauvert

This is an excellent picture of magnificent mountain scenery in Alberta. Two reels. Canadian Government Motion Picture Bureau.

C-63—Banff to Lake Louise

This film is a picture, in colour, of the scenic marvels of the National Park between Banff and Lake Louise. Canadian Government Motion Picture Bureau.

C-64—Along the Cabot Trail

This is a colour film showing the scenery along Cabot Trail on Cape Breton Island. Canadian Government Motion Picture Bureau.

65—Pied Piper of Hamelin

This picture follows faithfully the details of the well-known story of the piper who rid the town of Hamelin of its plague of rats. Two reels.

C-65—Stalking Big Game

This film includes telescopic views of big game in the mountains. Canadian Government Motion Picture Bureau.

C-66—Lakeland Resort

This film pictures the wild life and natural beauty of Elk Island National Park, Alberta. Canadian Government Motion Picture Bureau.

74—Robinson Crusoe

This film is a complete resume of the book, Robinson Crusoe, excellently portrayed. Four reels.

78—Who's Zoo

This interesting alphabet story of animals in the zoo would fascinate junior children. It has plenty of action and amusing situations. Institutional Cinema Service.

80—Charles Dickens

This film portrays the main characters from Dickens in their own setting.

81—Last Stand of the Red Man (Passing of the Indian)

This film pictures the life of Indians in their wigwams, their characteristic dress, and the cooking of food in camp. It shows the scenic landscape and the introduction of cattle and sheep in the Red Man's country. It is a portrayal of industry replacing the Indian Village. Nooman.

103—Cricket on the Hearth

This film portrays the story of Dickens' *Cricket on the Hearth*. Paul Gerson.

120—Life in the Sahara

This film furnishes impressions of the life of the people of the Sahara Desert. It shows their homes, transportation, clothing and work. Information concerning the climate and appearance of the Sahara Desert is also given. Man's adaptations to a hot, dry climate are clearly presented. The film lacks organization into definite units. Consequently, teachers should preview this film carefully, and make use of the study guide before using the film for teaching purposes. Eastman.

121—Continent of South America

The film deals principally with the physical features of South America. The position of this continent on the globe is shown. A map of the United States superimposed upon that of South America indicates their relative sizes. The various mountain ranges and river systems are portrayed by animated maps, and scenes are given of these areas. This film will be useful in giving an overview of climatic conditions and topographical features of the main geographic regions of South America, and in developing an understanding of the relation of these geographical features to social and economic life. It is most appropriate for an introduction to the study of South America Eastman.

122—From Flower to Fruit

This film is divided into four parts: the opening of the flower; pollination; fertilization; and the development of the fruit. Animated diagrams and photographs describe the processes of pollination and fertilization. Microphotography shows the pollen tubes growing from pollen grains and the sperm nucleus travelling down the pollen tube. The development of the fruit after fertilization has been accomplished is clearly shown. An excellent teaching guide accompanies this film. Eastman.

123—Rubber

This film has definite value for giving impressions of techniques of producing, transporting, and fabricating rubber; for indicating relative importance of rubber-producing areas of the world; and for showing the fabrication of some rubber products. The data included in the film is now somewhat out of date. Eastman.

124—The Panama Canal

Diagrammatic sections show the construction of the locks in the Panama Canal and animated diagrams demonstrate the action of the locks. Actual photographs are given

of ships passing through the canal. This is an older film, but it has good interest value. 200 feet.

127—The Province of Quebec

This film is divided into three units; the first unit dealing with the Saguenay Uplands, the second with the Lower St. Lawrence, and the third with the Upper St. Lawrence Valley.

Unit one touches upon the pulpwood industry which the Lake St. John area attracts by its timber and water power. Views are given of a village with typically French-Canadian houses and the simplicity of the life of the inhabitants is suggested. Unit two presents scenes of Gaspé Peninsula, Murray Bay and the Upper and Lower towns of Quebec City. The asbestos mines are mentioned. In unit three, French-Canadian rural life is pictured and the primitive agricultural methods still in use are shown. Eastman.

149—Mohawk Valley*

This film shows transportation, industry, and general views of the Mohawk Valley.

165—Sweden

This film shows mining activities north of the Arctic, the Lapps and their herds of reindeer, logging, native costumes and customs in rural districts, Stockholm, the tomb of John Ericsson, University of Upsala, Gota Canal, Goteburg, the ruins at Visby, the estates of the nobility, and winter and summer sports. It was produced in 1934. Eastman.

N-172—London

This is a travel film of London dealing particularly with the City, the River Thames and famous buildings. British Films.

172—Modern Basketball Fundamentals

This is an excellent demonstration of modern basketball fundamentals,

including diagrams, slow motion pictures, frozen frames and well directed comments. The film shows the technique of individual offense and defence, and of team offense. Girls and boys will find this film very instructive, and teachers will secure many helpful hints on coaching. Two reels. Eastman.

181—We Are All Artists

Reel 1 of this series deals with the general principles of line, light and shade, and colour, and their application to the modern world. Reel 2 shows how art plays an important part in the commercial and industrial fields. Reel 3 shows the evolution of the train, the motor car and the aeroplane. Three reels.

184—People Who Live at the Equator*

This is a good film to impart a general knowledge of life in the Amazon Valley. It shows something of the vegetation and bird life of that district. It gives a good insight into the rubber industry, both in the natural and plantation state. It also shows a cacao plantation and how the beans are selected for market. DeVry.

185—People Who Live in the Desert*

This is a good film showing various phases of life in and near the Sahara. Of special value are the scenes depicting causes of winds, irrigation, and production of salt. DeVry.

186—People Who Live on the Mountains*

The effect of environment on human life is well portrayed in this film of Switzerland and the Alps. DeVry.

188—People Who Live on a Great Plain*

A survey of life on the pampas of South America is here portrayed. It has value in world comparison. DeVry.

192—Automobile

Between scenes showing the importance of the automobile and the interdependence in the world of industry, are numerous informational pictures of the steel, rubber, glass and gasoline industries as these are related to the manufacture of cars. Eastman.

194—Dairies*

This film shows a comparison of the small scale farmer with the large scale farmer. The sequence is: winter housing and feeding of cattle; pasturing large herds of cattle, care of cows and milk; use of automatic milkers; milk arriving at the dairy; pasteurizing of milk; filling bottles, packing and shipping of milk.

195—Tin

The mining of tin ore, the making of tin plate, and some of the uses of tin in the manufacture of commercial and industrial products are demonstrated in this film. Eastman.

196—Irrigation

Methods of irrigation used in the United States are shown in this film, also the products of the land. Eastman.

197—London

This is a fine geographic film dealing with the commercial importance of London and with many of its most famous historic points of interest. Eastman.

201—Water Power

This film shows clearly by drawings the development of water power sites. Designs for efficient types of wheels and their operation are well arranged and given in diagrams as well as photographs. Eastman.

202—Steam Power

This picture is of great value in showing the workings of machines of steam type. Pictures give the con-

tinuity of action which is impossible in a drawing. Eastman.

203—Electric Power in Southern Appalachians

This film traces the development of hydro-electric power with a survey of conditions from the Industrial Revolution to modern times. Modern uses of electricity in factory and in home are shown. Eastman.

205—The Green Plant

This film emphasizes the dependence of all living things upon the green plant for food. The growth of plants is shown by diagrams and timelapse photography. Photosynthesis and starch storage conclude the film. Eastman.

209—Energy from Sunlight

This film gives a clear picturization of forms in which energy from sunlight is manifested: heat, electricity, wind, food, fuel. Eastman.

212—Wheat

This film shows plowing, seeding, harvesting, and threshing of wheat, by all the different methods—old-fashioned, horsepower, tractor, and combine. Eastman.

213—Wheat to Bread

This film pictures the making of flour and bread. Included is a short history of flour-making. Most attention, however, is paid to modern methods. A very good description of a modern bakery is given. Eastman.

214—Land Transportation

This film traces modern methods of land transportation from early man to modern times (1925). Development is traced through human, beast, vehicles, steam, electricity, and gasoline driven types. Eastman.

217—Mexico

Some of the sequences of this film are: Mexico's location and topog-

raphy; the hot lowlands; the warm lands; life in a provincial town; the coal region of Mexico's high plateau. The majority of scenes depict primitive agrarian life. Eastman.

228—How Seeds Germinate

This film by means of timelapse photography shows the germination of a great variety of plant seeds. Educational.

229—How Plants Grow

This film shows by timelapse photography the germination and growth of the dandelion, also the effect of sunlight on flowers and plants and crystallization. Educational.

231—Irrigation

This film presents a brief outline of methods of irrigation in use in United States. It describes systems suitable for several types of crops. U.S. Department of Agriculture.

240—Bermuda

This film pictures transportation in Bermuda, also the use of coral for building purposes. National.

241—London on Parade

This film is valuable in displaying to western children the immensity and diversity of the business of living in the world's greatest city.

247—The English Potter

This film is a valuable description of the making of pottery. Wedgewood patterns are well pictured. The film content correlates with Art Appreciation, Social Studies and Arts and Crafts courses.

249—Coronation of King George VI and Queen Elizabeth

This film is an excellent picturization of a magnificent pageant, including short views of former rulers of the House of Windsor.

It is said that the sun never sets on the British Empire and this tribute

stresses to the world the power of the British Commonwealth of Nations. Queen Victoria gave her name to an era, the forerunner of the present century. Edward VII and Queen Alexandra contributed their efforts to maintaining international goodwill. George V and Queen Mary stood at the head of the Empire through the greatest of all wars. Uncrowned Edward VIII abdicated in favor of the woman he loved. So, on May 12, 1937, the world witnessed the crowning of George VI and Queen Elizabeth. Officers and men, representing all services from all parts of the Empire, took part in the Coronation procession and lined the streets of London. To the accompaniment of a cheering populace, the state coach with the King and Queen passes through the admiralty arch as their Majesties drive to their crowning. The entire plans for the Coronation are in charge of the Duke of Norfolk, who, with the heralds, welcome their Majesties at Westminster Abbey where the most magnificent pageantry of the century takes place. Following the ceremony of Recognition, the King sits in the Coronation Chair under a canopy of gold and silver brocade held over him by four peers who are Knights of the Garter. Here the Ceremony of Consecration is conducted by the Archbishop of Canterbury. Just before the Crowning, the King is vested by the Dean of Westminster with the Imperial Mantle. Sitting in King Edward's chair, he holds in his right hand the sceptre with the cross, ensign of kingly power and justice and in his left the sceptre with the dove, ensign of equity and mercy. Then comes the supreme moment of the ceremony in which the Archbishop of Canterbury places on his Majesty's head St. Edward's Crown, so named after Edward the Confessor. The ceremonies of the King's Crowning completed, Queen Elizabeth rises from her chair of state and goes to the altar, supported by two bishops and attended by her ladies and pages, where she kneels for the consecration, anointing, and crowning. Having watched the proceedings from the

Royal box, the Mother of two Kings, preceded by the Princesses Elizabeth and Margaret, receive a nation's tribute of love and loyalty as they leave the Abbey. Crowned and bearing the emblems of her dignity, the Queen, wearing her magnificent robe of purple velvet, and the King, arrayed in purple and wearing the Imperial State Crown, and holding the emblems of his Sovereignty, make their royal progress to the west door of the Abbey for the return procession to Buckingham Palace. A particularly noticeable feature amongst the crowds at the Coronation is the extensive use made of periscopes to enable those at the back of a crowd to get a reflected view of the procession. The return procession from the Abbey to Buckingham Palace is made up of detachments of Life Guards, Beefeaters, and several contingents of overseas forces. Acclaimed by the vast crowd outside the palace, the King and Queen, crowned and robed, the Queen's train-bearers, Princess Elizabeth, her Majesty Queen Mary, Princess Margaret Rose, and Earl Haig appear on the balcony and are greeted with a storm of cheering from thousands of spectators forming the Coronation cavalcade, which the world hopes is a herald of peace on earth and goodwill to men. Pathegram.

250—Gregg Shorthand Technique

This film shows the Gregg Shorthand technique. Hudson College of Commerce and Finance.

253—Flax to Linen

This is a very good teaching film on the growing of flax and the processes of linen manufacture. The film is divided into four units: flax seed to line flax; spinning line flax; weaving linen cloth; finishing linen. Eastman.

258—Microscopic Animal Life

This film shows micro-organisms such as Amoeba, Paramecium, Stentor, Vorticella and Rotifer. Eastman.

263—Bacteria

This film includes a good demonstration of some laboratory technique for the study of bacteria. Microscopic views of several types of bacteria and the process and conditions of bacterial growth are quite vividly portrayed. Eastman.

294—The Honeymakers

This picture presents a good study of the habits of bees. The difference between the Queen and the workers is well shown. The life history of the bee is sketched. The gathering of pollen and nectar and the harvesting of honey are shown. Pathe.

295—Hocf to Market

This film portrays the raising of sheep, cattle and hogs in the United States from grazing to consumer market. Pathe.

296—Fish and Fowl

Fishing is described in its various phases, from the simple stream and lake fishing done by individuals to the commercial schooner fishing on the Atlantic Coast. Flocks of wild turkeys and many varieties of chicken are shown. The simple development of the chicken is described. Pathe Picture.

323—Kashmir, Old and New

This film depicts the life, religion and dress of the people of Kashmir. It illustrates in detail the industry of papermaking, and pictures the schools. Pathe.

347—Wealth of the Sea

This is a film of west coast fisheries. It includes "Monterey" sardines, oysters, lobsters, shad, herring and tuna. The pictures are clear and will give pupils accurate and interesting information on the methods employed in catching these fish and on the appearance and size of the fish themselves.

348—Studies in Micro-Biology

This film treats of a number of the common body processes such as breathing, digestion, etc., by means of micro-photography of the simpler and more minute forms of life.

351—The Pathfinder

There is excellent photography in this film. It contains a very good description of the Banff and Lake Louise area and gives the history of discovery of this area in brief outline. Associated Screen News.

365—Germany Invades Austria

This film pictures Hitler's entry into Austria and the enthusiastic reception shown, together with other historical events of the time. Castle.

371—Nitrogen Cycle

This film shows the uses and action of nitrogen compounds on plants and animals. Micro-photography and animated diagrams illustrate the cycle. Eastman.

372—Carbon Oxygen Cycle

This film illustrates the carbon oxygen cycle as it relates to plants, to the human body, to decaying foods, to fish, and to plants in an aquarium. Eastman.

373—Tuberculosis*

This is an interesting film showing diagrams of the development of the disease, and the daily routine of small boys and girls in a Preventative Home for Tuberculosis.

375—Street Safety for Advanced Grades

This film illustrates rules of safety designed to govern the activities of older children and adults on the street. It emphasizes the responsibility of children in the senior grades towards younger children in the prevention of street accidents. It has special application to town or city schools. Eastman.

376—Hungary

This film gives glimpses of industry and of peasant life in Hungary before World War II. Eastman.

377—Finland

This excellent film of Finland shows its development and its various industries. Eastman.

378—Czechoslovakia

This film shows the picturesque scenery of Czechoslovakia. It shows also its hemp dressing in homes, the transport of timber by rafts, the manufacturing of matches, glass-works, and bone ornaments, and its farms.

384—Embryology of the Egg

This film pictures the day by day development of the egg. U.S. Department of Agriculture.

390—Modern Rome

This film is a picture of ancient and modern Rome showing the Forum, the Capitol, churches, and street scenes. Castle.

392—The Sahara

This film includes pictures of Moorish architecture; weaving and pottery-making; camel caravans; French Foreign legion; also a sand storm. Castle.

393—A Day at the Zoo

This film contains good pictures of animals including a baby giraffe and an elephant. Castle.

394—Camera Thrills in Wildest Africa

This film shows close-ups of a dozen of the largest species of African big game. It also shows a fight between a lioness and a deer. Castle.

395—Christmas Cartoon

This is a pleasing Christmas cartoon. Santa visits England,

France, Holland and U.S.A., leaving in each of these countries representative animated toys. The picture is concluded with the story of the Lonesome Pup who gets his Christmas after performing his "brave deed." Castle.

400—Custard Pies

This is an amusing cartoon suitable for primary children. Paul Terry Toon-Pathé.

402—Christmas Carol (Dickens)

The details of this well-loved story are faithfully reproduced. Two reels.

404—The Night Before Christmas

This film presents a very good story, telling first how the poem happened to be written, and then showing Christmas Eve in the home of the author. This is followed by a visit to Santa's Workshop, his preparations for his Christmas Eve activities, his visit to the author's home, and Christmas morning. Two reels.

415—Tigers, Leopards, Orang-Outang and Jungle Giants

These animals are pictured in their natural surroundings. Cine Art.

416—Yosemite

This film shows scenes of great natural beauty in the Yosemite Valley. Cine Art.

418—Boulder Dam

This is a good film on the construction of Boulder Dam. It shows the essential constructional operations from 1931 to 1935, from the beginning to the completion of the project.

421—Sea-Going Thrills

This picture, taken on a journey in a sailing ship around Cape Horn, has interesting action and interesting pictures of fishing and of seals. This is the same as Sound Film A-189.

422—**Big Fish**

This film is descriptive of sport and commercial fishing including whaling. Castle.

424—**Dog Show**

This film could be used in the integrated programme. This story of baby dogs and performing ones is full of interest and action. Castle. This is the same as Sound film A-191.

425—"See" No. 1

This film covers many items. Included are lions, cubs and full grown alligators; elephants; penguins; monkeys; stunting and parachuting; and aquatic sports. Castle.

426—"See" No. 2

This second film in the "See" Series includes dogs; monkeys; cats; old-fashioned bicycle race; motor-cycle races; fishing, and trick auto-racing. Castle.

427—"See" No. 3

"See" No. 3 includes turtle race, frogs, porcupine, panda, hippo, aeroplane stunting, tight-rope walking. Castle.

428—"See" No. 4

"See" No. 4 is a film of various items such as tanks; boys boxing; mud fights; monkeys and their tricks; gliders; tall building stunts; and human cannon ball. Castle.

429—"See" No. 5

The variety of "See" No. 5 ranges from the interest of young children in baby lions and bears to that of adults in motor-cycle stunting, water sports, and concludes with a storm at sea. This is the same as Sound Film No. A-195.

430—"See" No. 6

Concluding this variety series, "See" No. 6 contains some of the following items: monkeys; bow and arrow shooting; aquatic sports; air

aces; and volcano. It is recommended that only one film of this series be shown at one time. Castle.

432—**New York, the Wonder City**

Views of the harbour, important streets and buildings, and of peoples and life in New York are shown in this film. Castle.

436—**Life Cycle of the Rockweed**

This film presents diagrams and micro-photography to illustrate reproduction and development of the rockweed. Harvard Film Service.

441—**Bituminous Coal**

This film describes bituminous coal mining and coke-making. Eastman.

444—**Leather**

This film shows several types of leather and the manufacturing of some leather goods. Eastman.

446—**Philippine Islands***

This film deals with the Philippine Islands, showing Manila, the capital; its industries—sugar, cocoanut, rice and hemp.

455—**Soap**

A comparison of home and factory methods of producing soap is made in this film. The effect of soap on hard and soft water is shown. Eastman.

458—**Sand and Clay**

This film deals with the source of sand and clay and their uses in industry: glass, slate, bricks, pottery. Eastman.

459—**Abraham Lincoln**

This film presents a picture of the life and times of Lincoln from early youth to death. The first reel deals with Lincoln, the Pioneer, and the second with Lincoln, the Statesman. Eastman.

461—The Blood

This film demonstrates the nature and composition of the blood. Red and white corpuscles and hemoglobin crystals are shown by micro-photography; animated diagrams show the action of the white corpuscles on bacteria. Eastman.

464—The Muscles

The structure and functions of muscles are shown in this film. Laboratory demonstrations show stimulation of muscles by nerve impulses. The film also shows the activation of muscles to move the body, the training of muscles and muscle fatigue. Eastman.

466—Sewage Disposal

This film deals with various methods of sewage disposal; direct; purification by Imhoff tank and sprinkling filter; purification by sand filter. Micro-photography shows the part played by protozoa in purification of sewage. Eastman.

467—The Skin

The structure of the skin is shown by micro-photography and animated diagrams. It emphasizes the importance of keeping the skin clean. Eastman.

476—Animals of the Cat Tribe (Monkeys and Apes)

Clear, interesting pictures of the cat family are shown. Monkeys and apes are particularly good. Many different kinds are shown in situations that would appeal to Elementary School children. Eastman.

487—Diesel Simplicity

In this film, the principle of the Diesel engine is explained by means of animated diagrams. The working and servicing of the Diesel engine is explained in detail. Jam Handy Organization.

489—The Royal Visit

These three reels show in detail the different stages of the Royal Visit. Reel 2 is of the Western Provinces. Scenes in Calgary and Edmonton are of particular interest. Castle.

493—Eskimo Life

Nanook and His Family Nanook, the Hunter How Nanook Travels Nanook Builds an Igloo

Reel 1 shows an Eskimo family. This reel is particularly interesting to children.

Reel 2 depicts, with authentic detail, and added human interest, seal hunting, fishing and walrus hunting. There is good action in this reel.

Reel 3 shows travel by kayak, oomiak and komatik.

Reel 4 shows in detail the building of an igloo, with an ice window. There is a delightful Eskimo child in this picture. Edwards Productions.

497—Indian Life*

Cheeka's Home Cheeka's Canoe Cheeka and the Caribou

This is a picturization of the Ojibway Indians of Northern Ontario.

Reel 1 shows Cheeka's family and wild friends.

Reel 2 shows Cheeka following the hunters by water.

Reel 3 shows treks in barren land including a caribou hunt when Cheeka kills a caribou. Edwards Productions.

500—Wee Anne Visits the Zoo

This film has a strong appeal to children. Familiar animals are shown. There is good action and good photography. Cinegraphic Corporation.

502—Wee Anne Visits the Farm

All the important activities on the farm are depicted. This film would give city children an excellent idea of farm life. Two reels. Cinegraphic Corporation.

504—Wee Anne Learns About Ocean Liners

The interest of these two reels would range from Grade III to Grade VI. Grade VI would enjoy particularly the wireless room, the sextant and the compass. The junior grades would be pleased with the dining salon, cabins, games and the loading of oranges. Two reels. Cinographic Corporation.

506—Wee Anne Learns About Cargo Boats

This "Wee Anne" film shows the various devices for loading cargos—from oranges to autos. Fire tugs are shown in action. Cinographic Corporation.

509—Wee Anne's Dog Sandy, and Wee Anne and the Snow Man

This film is of interest to primary children—a story of Anne and her dog Sandy, and fun in the snow with a Snow Man.

510—Wee Anne's Christmas

This is a very good Christmas film. The Christmas activities include shopping, visiting Santa Claus and the toys, presenting gifts to the Christ Child, the visit of Santa Claus, and Christmas morning. Cinographic Corporation.

511—Little Boy Blue

This film is amusing for juniors. It has good technical qualities and is useful to lighten an informational program. Paul Terry Toons.

512—Pirate Ship

This film is a Paul Terry film—comedy. Castle.

513—Christmas Time in Toyland

This Christmas film would be especially attractive to Grade One. The toys are animated. Their actions would delight small children. Castle.

514—The Protozoa

This film shows micro-photography of the Protozoa—structure, motion, food-getting and ingestion, reproduction, elimination of wastes and reaction to environment. Two reels. Eastman.

**521—First Aid
(Life Saving and Resuscitation)**

This film gives demonstrations in water and (in slow motion photography) out of water, of various approaches and holds used in rescuing the endangered swimmer. Methods of resuscitation shown include use of the inhalator.

523—Good Foods (Water and Milk)

This film would be of value in the Health Programme. The section on water is the most helpful. Eastman.

528—The Sun

This film presents interesting facts concerning the sun, eclipses, time zones and climate. Eastman.

530—The Milky Way

This film shows the various planets with their moons and movements.

533—Singing and Stinging (The Mosquito)

The life history of the mosquito is shown by micro-photography. Control methods are given. Pathe.

545—The Chemistry of Food

In this film, a series of diagrams and pictures illustrate kinds of foods, the process and purpose of photosynthesis, the effect of light on plant growth.

546—The Living World

Four reels show composition, structure, properties and activities of living organisms, divided as follows:

1. Living and non-living matter.
2. Characteristic activities of living things.
3. Irritability of protoplasm.
4. Cycles of life and meaning of heredity.

Carter.

552—Overland to California*

This film shows the development of transportation in establishing routes across United States from the Middle West to the Pacific.

553—Dutch East Indies

This travel film deals mainly with Java and treats with the town, home and rural life of the Javanese. Eastman.

554—Hawaiian Islands

This picture is of value because of the industries shown. Sugar cane and pineapple are particularly well outlined. Eastman.

571—Dickens' Christmas Carol

This is, of necessity, a somewhat abridged picturization of the well-known story. The setting, characters and acting are very good. Scrooge's treatment of his nephew and his clerk, Bob Cratchit, are used in the opening scenes to sketch the character of Scrooge. Marley's ghost and the Spirit of Christmas Present visit Scrooge and, finally, in the closing scenes, the new Scrooge appears joining in the Christmas festivities at his nephew's home. The picture will be of little use by itself, but following the reading or re-telling of the story, it will, no doubt, be received with appreciation by children from Division II and up. Institutional Cinema Service.

576—New Parade of 1940

This film pictures war events of historical importance from the invasion of Norway to the evacuation at Dunkirk. Castle.

577—Wings Over World Wonders

This excellent film shows marvels of the world from the air. Castle.

578—Roaming in Scotland

This picture of rural and city life in Scotland includes many historical landmarks. Castle.

579—Come Back to Ireland

This picture of rural and city life in Ireland shows historical landmarks. Castle.

580—Palestine

There is pictured in this film the ancient and modern East, clothing, houses and buildings, modes of transportation and methods of agriculture. Castle.

581—South American Vista

This film includes scenes of South America from the Andes on the West to Rio de Janiero and Buenos Aires. It gives general impressions of the South American continent. Castle.

585—Bombs Over Europe

Actual battle scenes of the invasion of Denmark, Norway, Netherlands, and France are pictured in this film. Castle.

586—Battle for France

This film shows the historic Battle for France and the devastation of war. Castle.

590—India—Mysore and Ceylon

This film shows the industrial development of India in recent years. Old and new are contrasted in Ceylon. Eastman.

591—India—Hyderabad

This film shows primitive agriculture and handicrafts, and closes with pictures of modern schools. Eastman.

603—British-Greek Victories

This film opens with the Greek campaign against the Italians and then moves to the battle in Africa. Castle.

604—Native Africa

This film presents the natives of South Africa and their customs. It has excellent views of wild animals. Castle.

607—Donald Duck Super Service

Donald Duck runs a service station with considerable difficulty. Walt Disney.

613—News Parade of 1941

This film shows events of 1941, which are of historic interest in the world struggle.

614—Swimming and Diving Aces

This film shows swimming and diving experts in action. Castle.

616—Arctic Thrills

This is a picturization of wintry Arctic seas with seal, walrus, icebergs and the capture of polar bears. It is the same as Sound A-434.

617—Wild Elephant Round-Up

This film pictures the capture of wild African elephants by trained natives and one white man. Castle. It is the same as Sound film A-432.

618—The Chimp's Adventure

The chimpanzee is pictured in an amusing role with a human friend. It is the same as Sound film No. A-433. Castle.

619—In Old Spain

In this film are shown historic buildings and street scenes in a number of Spanish cities. Castle.

621—Fluffy, the Kitten

This is a picture of an entertaining kitten that will delight the juniors. Foster.

622—Wee Anne and her Doll's Tea Party

Children will enjoy the preparations for the birthday party, arrival of guests, including Winnie-the-Pooh, and the serving of the lunch. This is a delightful picture. Cinographic Co.

627—Man Against Microbes

This picture covers three hundred years of progress in discoveries in the fight against disease germs. Educational Screen.

630—Russia Stops Hitler

This is a vivid picture of a German advance into Russia and brilliant counter blows of Russians. Castle.

632—Animal Life in the Antarctic

This picture includes scenes from Byrd's expedition and particulars of the animal life of Antarctica. Two reels. Rutgers University.

635—Food Makes a Difference

Food values are shown by experiments performed with rats. The film shows the results of good nourishment as reflected in the abilities of the children. Two reels.

640—The Fight for Egypt

This picture shows incidents in the fight for the defence of Egypt. Castle.

641—African Pigmy Thrills

This film depicts the marvellous skill of pigmies in bridge building. It is the same as Sound film No. A-591. Castle.

642—Sport Spellbinders

This film pictures pole-vaulting, motor-cycle racing and surf board thrills. Castle.

**643—News Parade of the Year
1942**

This is a news reel of the war efforts of the allied forces in different theatres of war during 1942. Castle.

**644—Yanks Invade Africa:
Rommel Defeated**

In this film is pictured the landings of U.S. Troops in Africa and the British advance in Tunisia. It is the same as Sound film No. A-637. Castle.

645—Russia Strikes Back

This film shows fighting in and around Stalingrad. The second part of the film shows a U.S. Carrier fighting in the Pacific. Castle.

**647—Battle of Tunisia; Surrender
at Stalingrad**

This picture shows scenes from the war in Tunisia and the surrender of German troops in Russia. Castle.

648—Victory in Sicily

In this film is shown the landing and attack by Allied forces in Sicily. Castle.

649—News Parade of 1943

In this picture is shown the progress of the war during 1943. It is the same as Sound film No. A-724. Castle.

650—Italy Surrenders

This film shows scenes from the invasion of Italy by British eighth and American fifth armies. Castle.

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Those with numbers preceded by "T" (Talking) are obtainable from the Library of the Audio-Visual Aids Branch, Department of Education, Parliament Buildings, Edmonton. All others in the list, i.e., those with numbers preceded by "A" or "N" are obtainable from the Department of Extension, University of Alberta, Edmonton, at the usual rental rates.

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When Spring is in the Air.....	A-169.....	86
When You Know.....	A-522.....	97
White Battle Front.....	A-607.....	100
Whittington's Cat.....	A-715.....	103
Wild Elephant Round-Up.....	A-432.....	95
Wild West Daze.....	A-532.....	97
Wings of the Continent.....	A-542.....	98
Wings of Youth.....	A-367.....	93
Wings Over the West Indies.....	A- 57.....	83
Wings Over World Wonders.....	A-269.....	91
Women are Warriors.....	A-639.....	100
Women at War.....	A-509.....	97
Wood for War.....	A-547.....	98
Work of Rivers (Erpi).....	A-326.....	92
World of Plenty.....	A-681.....	101
Yanks Invade Africa.....	A-637.....	100
Yes, Bananas.....	A-254.....	90
Yesterday Lives Again.....	A-193.....	88
Youth Is Tomorrow.....	A-422.....	95
Zane Gray's South Sea Adventures.....	A- 25.....	83

Subject and Grade Classification of Motion Picture Sound-on-Film

This Subject Classification, including Optimum Grade Placements and Grade Spreads, is based upon the Programme of Studies for Alberta schools. The Optimum Placements and Grade Spreads are suggestive only. Teachers may differ with the film evaluations and find many uses for the films other than those specified. The Audio-Visual Aids Branch will welcome suggestions on the Film Evaluation Report Form (AV-14). For many films of War Information and miscellaneous films, a Grade Spread only is given. For films listed under two or more subjects, the Optimum Placement appears in one list only, i.e. in the Classification where the film is considered of greatest value.

ART

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Canadian Landscape.....	X	IX-XI	A-467
Patterns of American Rural Art.....	IX	VII-X	A-807
West Wind.....	X	IV-XI	A-758

BIOLOGY

Flowers at Work.....	X		T- 11
High Over the Borders.....	X		T- 15
Pirates of the Deep.....		X	T- 23
Seed Dispersal.....	X	X-XII	T- 26
Coffeeland to Canada.....		X-XII	A-281
Fungus Plants.....	XII	X-XII	A-182
High Over the Borders.....	X		A-614
(Bird Migration)			
How Nature Protects Animals.....		X	A-330
How We Hear.....	X	X-XII	A-344
Phantom Sea.....	X		A-451
(Sights in the California Desert)			
Plant Growth.....	X	X-XII	A- 67
Roots of Plants.....	X		A-183
Snail's Pace, The.....	X		A- 61

CHEMISTRY

Experiments with Liquid Air.....		X-XI	A- 64
Handle with Care.....	XII		A-778
Oil for Aladdin's Lamp.....	XII		N-234
Oil from the Earth.....	XII		N-232

COMMUNITY ECONOMICS

Land for Pioneers.....	VII		T- 20
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ECONOMICS

Sign of Dependable Credit.....	XII		A-574
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ELEMENTARY SCIENCE AND GENERAL SCIENCE

Aeroplane Changes the World Map, The.....	VIII	VI-XI	T- 1
Clouds Go to Work.....	VII, VIII	VII-IX	T- 6
Earth in Motion, The.....	VIII	VII-IX	T- 8
Face of Time.....			T- 10
Flowers at Work.....	IX	VII-X	T- 11
Pirates of the Deep.....	VIII	VII-X	T- 23

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Sand and Flame.....	IX	VII-XII	T- 25
Seed Dispersal.....	VI	IV-VI	T- 26
Simple Machines.....	IX	VII-X	T- 27
Solar Family, The.....	VIII	VII-IX	T- 28
Adventures of Bunny Rabbit.....	III	I-III	A-555
Animals in Modern Life.....	VII	IV-VIII	A-554
Birds of Canada.....	VI	III-VI	A-671
Diesel Simplicity.....	IX	IX-XI	A-213
Earth and Its Seasons.....	VII	VII-IX	A-146
Electrodynamics.....		IX-XI	A-469
Empire Link, An.....	IX	VII-XI	A-166
Energy and Its Transformations.....	X	IX-XI	A-329
Exploring the Universe.....	IX	IX-X	A-137
Fundamentals of Acoustics.....	X	IX-X	A-221
Geological Work of Ice.....	X	VII-X	A-327
Getting Together.....	IX	VII-IX	A-108
How Nature Protects Animals.....	VII	I-X	A-330
Hydraulics.....	X	IX-X	N-379
John Bull.....	VII	VII-IX	N-280
Light Waves and Their Uses.....	X	IX-XI	A-102
Lubrication of a Gasoline Engine.....	X	IX-X	N-231
Mysteries of Water.....	VII	VII-X	A-149
Plant Growth.....	X	IX-XI	A- 67
Rain on the Plains (Soil Conservation).....	VIII		A-160
Robin Redbreast.....	IV	I-VI	A-557
Roots of Plants.....	X	IX-X	A-183
Sound Waves and Their Sources.....	X	IX-XI	A- 66
Spinning Levers.....	IX	IX-XI	A-211
Three Little Bruins.....	IV	I-IX	A-705
Weather, The.....	X	VII-XI	A-551
Work of Rivers, The.....	X	VII-X	A-326

ENGLISH

Aladdin's Lamp.....	IV	I-VI	A-439
Beanstalk Jack.....	III	I-IV	A-139
Headless Horseman.....		VII-IX	A-716
Jack Frost.....	III	I-IV	A-438
Lady of the Lake.....	IX	VII-XII	A- 20
Little Black Sambo.....	I	I-III	A-718
Mary's Little Lamb.....	II	I-IV	A-443
Old Mother Hubbard.....	II	I-IV	A-440
Owl and the Pussycat, The.....	III	III-V	A-537
Pandora.....	IV	III-V	A-140
Puss in Boots.....	I	I-III	A-717
Sinbad the Sailor.....	VI	IV-VI	A-713
Tom Tom the Piper's Son.....	I	I-III	A-529
Whittington's Cat.....	V	IV-VI	A-715

GENERAL SHOP

Diesel Simplicity.....	IX	IX-XI	A-213
Furniture Craftsmen.....	IX, X	VII-X	A-332
Lubrication of a Gasoline Engine.....	X	IX-X	N-231

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
GEOLOGY			
Face of Time.....			T- 10
America's High Spots.....	X		A-136
Geological Work of Ice.....	X		A-327
Mountain Building.....	X		A-328
Oil from the Earth.....	X		N-232
Phantom Sea.....	X		A-451
(Unique Sights in the California Desert)			
Satan's Playground.....	X		A-448
Work of Rivers, The.....	X		A-326

HEALTH AND PHYSICAL EDUCATION

Eyes and Their Care.....	VII, VIII	VII-IX	T- 9
Water—Friend or Enemy.....	VII	IV-XII	T- 32
Bicycling with Complete Safety.....	VI	IV-IX	A-460
Chance to Lose.....	X	I-X	A-113
Children First.....	X	VII-XI	A-808
Choose to Live.....	X	VII-X	A-738
Defeat Diphtheria.....	X	VI-X	A-580
First Aid.....	IX	VII-X	A-548
Five Fit Fellows.....	X	IX-X	N-374
Foods and Nutrition.....	IX	IX-X	A-331
Hot Ice.....	X	IV-XI	A-373
How We Hear.....	X	VI-XI	A-344
Invitation to Dance.....	X	IV-XI	N-380
Learn to Swim.....	VII	VI-XI	A-565
Life Saving.....	VIII	VII-XI	A-567
Nose Has It, The.....	VI	V-X	A-646
Olympic Games.....	X	VII-XI	A- 65
Russian Folk Dances.....	VII	V-XI	A-721
Sock! (The Manly Art of Self-Defence).....	IX	VII-XI	A-215
Sports Parade—Water Sports.....	VII	VII-XI	A-119
Swimming and Diving Aces.....	VII	VII-XI	A-238
There, Too, Go I (Red Cross).....	General	IV-XI	A-643
Thought for Food.....	VII		A-698
Vitamins A, B ₁ , C and D.....	VIII	I-XI	A-647
What Makes Us Grow.....	VI	I-VI	A-675
When Do We Eat.....	X	IX-XI	A-799
White Battle Front.....	X	VII-X	A-607
(Work of the Medical Services)			

HOME ECONOMICS, HOMEMAKING AND FABRICS AND DRESS

Children First.....	X	VII-XII	A-808
Cooperative Wool from Fleece to Fabric.....	X	VII-XII	A-162
Coffee for Canadians.....	X	VII-XII	N-289
Foods and Nutrition.....	IX	IX-XII	A-331
Four New Apple Dishes.....	VIII	VII-XII	A-255
Vitamins A, B ₁ , C and D.....	VIII	I-XII	A-647
When Do We Eat.....	X	VII-XII	A-799
Vitamin Wise.....	X	VII-XII	A-740

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
MUSIC			
Aida (Verdi) Selections from.....	X, XI	VII-XI	A-666
Andante et Rondo (Weber), Piatigorsky (‘cellist) playing.....	X, XI	VII-XI	A-456
Ave Maria (Schubert) Elizabeth Schumann, renowned opera and lieder singer, in.....	X, XI	VII-XI	A-408
Children’s Corner, The, (Debussy) played by Alfred Cortot, Pianist.....	XI	VII-XI	A-409
Foster, Stephen—and his immortal songs.....	X, XI	VII-XI	A- 3
Golden Mountains.....	VIII	VII-XI	A-723
Malaguena (Albeniz) played by Jacques Thibaud, violinist.....	X	VII-XI	A-458
Paris Opera, Serge Lifar and the corps de ballet and orchestra of the.....	XI	IX-XI	A-459
Rosamunde. Overture to (Schubert).....	X, XI	VII-XI	A-667
Symphony Orchestra—			
As a Whole.....	X, XI	VII-XI	A-333
The Brass Section.....	X	IX-XI	A-599
The Percussion Group.....	X	IX-XI	A-600
The String Choir.....	X	IX-XI	A-597
The Woodwinds.....	X	IX-XI	A-598
Valse Brillante (Chopin) played by Alexander Brailowsky.....	X, XI	X-XI	A-407
PHYSICS			
Heat and Pressure.....	X, XI		T- 14
Simple Machines.....	X		T- 27
Diesel Simplicity.....		XII	A-213
Electrodynamics.....	XII		A-469
Electrons.....	XII		A-101
Electrostatics.....	XII		A-100
Energy and Its Transformations.....	X, XI	X-XII	A-329
Experiments with Liquid Air.....	XII		A- 64
Fundamentals of Acoustics.....	X, XI		A-221
How Movies are Made.....	XII	X-XII	A-214
Hydraulics.....	X, XI		N-379
Light Waves and Their Uses.....	X, XI		A-102
Lubrication of a Gasoline Engine.....	X, XI		N-231
Sound Waves and Their Sources.....	X, XI		A- 66
Spinning Levers.....		X, XII	A-211
Weather, The.....		XII	A-551
SOCIAL LIVING AND SOCIAL STUDIES			
Aeroplane Changes the World Map, The.....	VI, X	VI-XII	T- 1
Alaska, Reservoir of Resources.....	VIII	VII-IX	T- 2
Children of China.....	IV	IV-VI	T- 4
City, The.....	X	X-XII	T- 5
Down Where the North Begins.....	XII	VI-XII	T- 7
Grain that Built a Hemisphere.....	IX	IV-X	T- 13
Highways North.....	VI	IV-XII	T- 16
History of Power.....	X	V-XII	T- 17
Land for Pioneers.....	VII	V-XII	T- 20
People of Mexico.....	VIII	VII-VIII	T- 21

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Peru (People of the Mountains).....	VI	IV-VI	T- 22
Portage.....			T- 24
Treasures of the Forest.....	IX	VI-IX	T- 29
Trees for Tomorrow.....	XI	VII-XII	T- 30
Unrra.....	XI	IX-XII	T- 31
Adventures of Chico.....	VI	I-IX	A-228
African Pygmies.....	V	IV-VI	A-591
Alaska's Silver Millions.....	VIII	V-XI	A-261
All That is England.....	VIII	VII-IX	A-336
America's Call to Arms.....		VII-XII	A-394
Among the Clouds.....	VI	IV-XII	A-177
Arctic Thrills.....	V	IV-VI	A-434
Around the Village Green (The English Village).....	VIII		A- 90
Atlantic.....	XI	VII-XI	A-383
Atlantic Patrol.....	X	VII-XII	A-334
Bacon for Britain.....	IX	VI-X	A-481
Bali (Beautiful East Indian Island).....	XI	X-XI	A-218
Banff-Jasper Highway.....	V, VI	V-IX	A-425
Battle for France.....		VII-XII	A-250
Battle of Brains.....		V-XII	A-447
Battle of Tunisia.....		VII-XII	A-654
Belgium, the Beautiful.....	VIII	VII-X	A- 2
Big Timber.....	VI	IV-IX	A-171
Bombay, Gateway to India.....	IX	IV-XII	A- 14
Bombs over Europe.....		VII-XII	A-249
Bread, The Story of (Feature Story).....		VII-XII	A-207
British-Greek Victories.....		VII-XII	A-369
California Picture Book.....	VIII		A-274
Canada's Cosy Corner.....	VII	VII-X	A-168
Canada's Gold Industry— Unlocking Canada's Treasure Trove.....		V-XII	A-243
Gold Ore to Bullion.....		V-XII	A-246
The Royal Mint.....		V-XII	A-248
Canadian Mail.....	V	III-IX	A-662
Canadian Pine.....	X	VII-X	A-172
(From Forest to Mill)			
Castilian Memoirs (Manila, in the Philippines).....	X	IX-X	A-204
Cattleman, The.....	V	IV-VI	A-553
Chance to Lose, The.....	X	I-X	A-113
Children from Overseas.....	VI	III-IX	A-395
Children of Holland.....	IV	III-VI	A-322
China (Its Cities in Peace Time).....	VI	IV-VI	A-151
Christmas Cartoon.....	III	I-IV	A-165
Churchill's Island.....		VII-XII	A-463
City of David, The (Jerusalem, Palestine).....	X	X-XI	A-205
Cliffs of Dover.....		VII-XII	A-664
(Long range shelling from Nazi-held Calais)			
Clothing.....	VI	IV-VI	A-550
Coffee for Canadians.....	IX	IV-X	N-289
Coffeeland to Canada.....	IX	VI-XII	N-281
Come Back to Ireland.....	VIII	VII-X	A-273
Cooperative Wool from Fleece to Fabric.....	IX	VII-XII	A-162
Coronation of King George VI and Queen Elizabeth.....	VIII	V-IX	A- 85

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Corvettes.....		VII-XII	A-579
Czechoslovakia.....	VII	VI-X	A-150
Dalecarlia, Heart of Sweden.....	VII, X	IV-XII	A-153
Day at the Zoo, A.....	II	I-IV	A-158
Development of Communication.....	IX	IX-XII	A-552
Egypt, Land of the Pyramids.....	IX	V-XII	A- 13
Empire Link, An.....	IX	VII-XI	A-166
Eskimo Children.....	IV	III-VI	A-558
Fight for Egypt, The.....		VII-XII	A-586
Fight for Liberty, The.....		VII-XII	A-416
(The second year of the War)			
-Fighting Norway.....		VII-XII	A-679
Fishing in the Fjords.....	X	VIII-X	A-154
Food of the Gods.....	IX	VII-XI	A- 69
Forty Million People.....	X	IX-XII	N-242
Forward Commandos.....		VII-XII	A-608
(Commando training and an actual raid on Nazi-held coast of Norway)			
Friend for Supper, A.....	VI	I-VI	A-849
Front of Steel.....		VII-XII	A-366
Furnaces of Industry.....	XI	VII-XI	A-581
Gem of the Rockies.....	VI	IV-IX	A-178
Germany Invades Austria.....		VII-XII	A-144
Getting Out the Coal.....	VIII	VII-XI	A-688
Getting Together.....	IX	V-IX	A-108
Glimpses of French Country Life.....	VII	VII-XI	A- 86
Golden Gate City (San Francisco).....	VIII	VI-XI	A-219
Guards of the North.....		VII-XII	A-411
Heart of an Empire (London).....	VIII	VII-VIII	A- 78
Heirs of Tomorrow.....	IV	I-VI	A-790
His Majesty's Minelayer.....		VII-XII	A-544
Home Front.....		VII-XII	A-339
Honolulu, Through the Panama Canal to Havana, Cuba.....	VIII	VI-IX	A- 15
How Nature Protects Animals.....	VII	I-X	A-330
Industrious Finland (Before the War).....	VIII	VII-VIII	A-235
Inside Fighting China.....		IX-XII	A-625
Inside Fighting Russia.....		VII-XII	A-611
Inside Story (Canning of Salmon).....	VI	IV-IX	A-176
Island People.....	IX	VI-IX	N-375
Italy Surrenders.....	IX	VII-XII	A-702
Jerry Pulls the Strings.....	VI	VI-IX	A-264
Key to Scotland, The.....	VIII	VII-IX	A- 81
Lake Carrier (U.S.).....	IX	VII-XII	A-734
Letter from Aldershot.....		VII-XII	A-335
London Can Take It.....		VII-XII	A-381
London of Today.....	VII-X	VII-XII	A-126
London River.....	VIII	VII-X	N-149
MacArthur and Manila.....		VII-XII	A-521
Malta G.C.....		VII-XII	A-731
Man and His Job, A.....	XII	X-XII	A-780
Manpower.....	X	VII-X	N-376
Maple Sugar Time.....	VI	IV-VI	A-476
Mediterranean Shores.....	X	IX-XI	A-200
Mexico Today.....	VIII	IV-VIII	A-275
Midsummer in Sweden.....	VII, X	IV-XII	A-152

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Midway and Coral Sea Battles.....		VII-XII	A-559
Modern Eden.....		IV-IX	A-170
Modern Rome (English Commentary).....	X	VI-XII	A-156
Morocco, Land of Islam.....	IX	VI-IX	A- 9
Mystic India.....	X	VI-XII	A-430
Nassau of the Bahamas.....	VIII	VII-X	A-145
Nazis Strike, The.....	XII	X-XII	A-748
Neighbours Under Fire.....		IV-XII	A-392
News Parade of 1938.....	X	VI-XII	A-181
News Parade, 1939.....		VII-XII	A-226
News Parade, 1940.....		VII-XII	A-281
News Parade of 1941.....		VI-XII	A-435
News Parade of 1942.....		VII-XII	A-593
News Parade, 1943.....		VII-XII	A-724
New York—The Wonder City.....	VII	IV-X	A-192
Northwest Frontier.....	VIII	VII-XII	A-490
Not Peace but a Sword.....		VII-XII	A-340
On Guard for Thee.....		VII-XII	A-251
On the Yangtse Kiang (City of Chungking).....	IX	VI-XI	A- 63
Ordinary People.....		VII-XII	A-514
Ottawa (Capital City of Canada).....	VII	V-IX	A-167
Ottawa on the River.....	VII	VI-IX	A-488
Our Fighting Allies.....	X	VII-XII	A-606
Palestine.....	X	X-XI	A-270
Paratroops.....		VII-XII	A-657
Peace River.....	VII	VII-IX	A-538
Pearl Harbour.....		VI-XII	A-487
People of the Congo.....	VI	IV-IX	A-325
Peoples of Canada.....	VII	III-XII	A-444
(Many Races but one Homeland)			
Poland Will Never Die.....	VIII	VII-IX	A-364
Prelude to War.....	XII	X-XII	A-742
Quebec (Capital City of French Canada).....	VI	IV-IX	A-242
Reporting the World.....	VII	V-IX	A- 12
Return of the Buffalo.....	V	IV-IX	A-541
Roaming in Scotland.....	VIII	VII-XII	A-272
Romance of the Reaper.....	X	VI-X	A-103
Royal Parks.....	VI	IV IX	A-424
Ruins of Ancient Persia.....	X	IX-XI	A-184
Russia Stops Hitler.....		V-XII	A-486
Saga of Silver Horde.....	VI	IV-IX	A-175
Scuttling of the Graf Spee.....		IV-XII	A-234
Sea of Strife (Story of the Mediterranean).....	X	IX-XI	A-147
Shelter.....	VI	IV-VI	A-324
Sicily—Key to Victory.....		VII-XII	A-685
Silent Enemy, The.....	VI	I-XII	A- 49
Singing Wheels.....	X	X-XII	A-401
So This is London.....	VIII	VI-IX	A- 79
South American Vista.....	VIII	VII-X	A-276
(Two Great Capitals, Buenos Aires and Rio de Janeiro)			
Super Thrills in the News of 1940.....		VI-XII	A-338
(Tacoma Bridge collapse and Battle of Oran)			
Swan Lake Ballet.....	XI	VII-XII	A-722
That They May Live (Red Cross).....	VI	I-XII	A-761
There, Too, Go I (Red Cross).....		IV-XII	A-643

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Three Little Kittens.....	II.....	I-IV.....	A-556
Timber Front.....	VIII.....	IV-XI.....	A-388
Tools for the Job.....		VII-XII.....	A-412
Tools for War.....		VII-XII.....	A-420
Tyrolese Costumes and Customs.....	VIII.....	IV-X.....	A-199
Ukrainian Christmas.....	V.....	IV-VIII.....	A-601
Venice and the Glass Master.....	X.....	VII-XI.....	A-201
Venice, the Magnificent.....	X.....	VII-X.....	A-128
Victory in Sicily.....		VI-XII.....	A-680
Village Symphony (The Austria That Was).....	X.....	VII-XI.....	A-198
Voice of Action.....	V.....	VII-XII.....	A-627
Wartime Factory.....		VI-XII.....	A-502
Washington (Capital City of U.S.A.).....	VIII.....	IV-XII.....	A-220
We're on the Way.....	IX.....	IV-XI.....	A- 10
Wheels Across India.....	IX.....	VII-XII.....	A-427
When Spring is in the Air.....	V.....	IV-IX.....	A-169
Wings of the Continent.....	XI.....	VII-XII.....	A-542
Wings of Youth.....		VII-XII.....	A-367
Wings Over the West Indies.....	VIII.....	VI-IX.....	A- 57
Wings Over World Wonders.....		VI-XII.....	A-269
(Around the World by Plane)			
Women are Warriors.....		VII-XII.....	A-639
Women at War.....		VII-XII.....	A-509
Wood for War.....	VIII.....	VII-XI.....	A-547
World of Plenty.....	IX.....	VII-XI.....	A-681
Yanks, Invade Africa.....	VII.....	VII-XII.....	A-637
Yes, Bananas.....	VIII.....	VII-X.....	A-254

SOCIOLOGY

City, The.....	XI.....	T- 5
Forty Million People.....	XI.....	N-242
Man and His Job, A.....	XI.....	A-780

TEACHER TRAINING

Bring the World to the Classroom.....	T- 3
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VOCATIONS AND GUIDANCE

Care of Charlie Gordon, The.....	X-XII.....	N- 65
Finding Your Life Work.....	X-XII.....	A-259
Manpower.....	X-XII.....	N-376
When You Know.....	X-XII.....	A-522
Youth is Tomorrow.....	X-XII.....	A-422

MISCELLANEOUS

The films in this list have little instructional value in the classroom. They may, however, be found useful for other purposes.

Battle for Oil.....	VII-XII.....	A-484
Battle is Our Business.....	X-XII.....	A-629
Bee and the Butterfly, The.....	I-XII.....	A-536
Behind the Guns.....	VII-XII.....	A-584
Big Bad Wolf.....	I-XII.....	A-714

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Big Fish.....	VI-X		A-190
Boy Meets Dog.....	I-VI		A-278
Britain's Commandos in Action.....	VII-X		A-470
Call of the Wilderness.....	I-XII		A-356
Canine Comedy.....	I-IX		A-531
Chimp's Adventure, The.....	II-VI		A-433
Christmas Cartoon, The.....	I-IV		A-708
Christmas Time in Toyland.....	I-IV		A-222
Christmas, Merry.....	I-IV		A-436
Clyde Beatty's Animal Thrills.....	IV-XII		A-706
Coastal Defence.....	VI-XII		A-393
Dog Show.....	I-IX		A-191
Farm Inconveniences.....	VII-XII		A-370
Farmyard Whoopee.....	I-XII		A-535
Fight that Fire.....	I-XII		A-506
Food Convoy.....	VI-XII		A-397
Fresh Water Fishing.....	IV-XII		A-216
Fun in Florida.....	IV-XII		A-283
Grey Owl's Little Brother.....	I-IX		A-540
Here Comes the Circus.....	I-XII		A-587
Holland Days.....	I-IV		A-142
Ice Carnival.....	III-XII		A-277
Into the Blue.....	VI-X		A-400
Itchy Scratchy.....	I-VI		A- 58
Just a Clown.....	I-IV		A-141
Keep 'em Flying.....	IX-XII		A-616
Kiko, the Kangaroo.....	I-IX		A-707
King's Tailor, The.....	I-XII		A-442
Land of Shalimar (Vale of Kashmir, India).....	IX-XII		A- 43
Last Resort, The.....	VI-IX		A-203
Let's Go Ski-ing.....	III-XII		A-188
Lightning War.....	VII-XII		A-268
Moth and the Spider, The.....	I-IX		A530
Mountain Magic.....	VI-X		A-179
Mouse and the Lion, The.....	I-IX		A-533
Music.....	See page 71		
Native Africa.....	VII-X		A-382
The Ninety Thousand Dollar Fish.....	V-XII		A- 62
Peacock Throne (Delhi, India).....	VII-X		A-202
Pincushion Man, The.....	I-XII		A-441
Pirate Ship, The.....	I-XII		A-223
Prodigal, The.....	I-VI		A- 38
Ride 'em Cowboy! (At the Rodeo).....	V-X		A-217
Road to Tokyo.....	VI-XII		A-623
Romeo and Juliet.....	I-XII		A-225
Royal Visit to Canada and the United States, The.....	I-XII		A-212
Sea Going Thrills (Around Cape Horn in an eighty-five foot Sloop).....	VI-IX		A-189
"See" No. 1.....	III-XII		A-122
"See" No. 2.....	I-XII		A-123
"See" No. 3.....	I-XII		A-124
"See" No. 4.....	I-XII		A-194
"See" No. 5.....	III-XII		A-195
"See" No. 6.....	I-XII		A-196
She Climbs to Conquer.....	V-X		A-185
Silent Enemy, The.....	I-XII		A- 49

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Ski Time in the Rockies	III-XII	A-111	
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Silly Symphony "Springtime" (Disney).....	I-IX	A- 6	
Ski-Esta (Art of Skiing)	III-XII	A- 68	
Ski Revels (A fast-action skiing film)	III-XII	A-227	
Song of China.....	V-XII	A-130	
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Sport Spellbinders.....	IV-XII	A-592	
Sports in the U.S.S.R.....	VI-XI	A-720	
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Sports Parade—Horses.....	VI-XII	A-120	
Sports Parade—Snow Thrills.....	IV-XII	A-121	
Streamlined Robinson Crusoe.....	I-VI	A-534	
Swiss on White.....	III-XII	A- 56	
Teddy Bear's Picnic.....	I-VI	A-406	
Things You'd Like to Know.....	IV-IX	A- 39	
This is Blitz.....	VII-XII	A-560	
Tragedy of Everest.....	VII-XII	A- 45	
Tundra (The Story of a Flying Doctor lost in the Wilds of Alaska).....	VI-XII	A-348	
Tuttle Tugger.....	I-XII	A-290	
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Wild West Daze.....	I-XII	A-532	
Yesterday Lives Again.....	VII-XII	A-193	
Zane Gray's South Sea Adventures.....	VI-IX	A- 25	

DESCRIPTION OF SOUND MOTION PICTURE FILMS

All films are 16 mm. in width. The length of each film is 400 feet approximately unless otherwise indicated. One reel (400 feet) requires from eight to eleven minutes to screen. The letter "T" is used to designate sound or **talking** films obtainable from the Library of the Audio-Visual Aids Branch of the Department of Education. Each subject is Black and White except when colour is indicated. At the end of the description of each film the producer is named. The films are described in order of their library number. Teachers' guides are available for Erpi films.

T-1—The Aeroplane Changes the World Map

There are six sequences in this film. In the **first**, a transparent globe, with axis and lines of latitude and longitude, is shown in such a manner as to present the illusion of the third dimension. In the **second sequence**, early maps are portrayed showing man's conception of the world to Magellan's time. **Sequence three** deals with problems of latitude and longitude. Very clear illustrations of these problems are given. **Sequence four** shows the development of Mercator's Projection, and reveals some of the limitations, and suggests misconceptions which arise. White maps drawn on Mercator's projection give a fairly true picture of the regions near the equator; it is most inaccurate for the delineation of polar areas. Other projections are discussed in **Sequence five**, and finally **Sequence six** presents vividly how all previous global thinking is being modified since air transportation became a reality. The aeroplane has caused people to think in terms of a map centering around the North Pole, much in the way that the hub is the center of the wheel. Erpi.

T-2—Alaska (Reservoir of Resources)

This film provides a general study of the Alaskan territory, its people and their industries. Lumbering, fishing, mining, transportation, farming, and fur raising activities are shown in their natural settings. Unusually beautiful scenic effects enhance the value of the film. Both white settler and Indian culture are represented. Erpi.

T-3—Bring the World to the Classroom

The film demonstrates how the sound film facilitates learning by surmounting the obstacles of distance, seeing, hearing, seasonal restrictions, verbalism, abstractions, inadequate equipment, hazards, time, and variations in intelligence. It directs attention to the need for the proper classroom utilization of sound film produced for teaching purposes. Excerpts from the newer Erpi productions are included to illustrate the advantages of the medium. The film should be useful for Teacher Training Schools, and for demonstration purposes at Teachers' Locals, Home and School Association Meetings, and other gatherings of a professional nature. Two reels. Erpi.

T-4—Children of China

This picture was filmed in the ancient Chinese village of Kwan Shin in the Province of Szechuan in Western China. It portrays the activities of parents and children in a representative middle-class Chinese family. Episodes from the home, school, and play life of children are reproduced, together with the occupations of the parents. A small portion of the dialogue is in Chinese language which is translated by the narrator. The film is useful for indicating the character of agriculture and commerce in Western China. Erpi.

T-5—The City

This film shows city life before industrial development. This development brought about overcrowding, resulting in slums. Emphasis

was placed on industrial development to the detriment of home life and health. Recent development of transportation facilities has brought about the building of suburban cities that are well planned resulting in a healthier and happier home life. American Institute of Planners.

T-6—Clouds go to Work

This film reveals the nature of cloud formations and shows the manner in which moisture is collected and precipitated. It illustrates how streams are formed, and how water power is used to generate electricity. It explains the value of water in general and to a community in particular. Edited Pictures.

T-7—Down Where the North Begins

Ecuador, with its high mountains, tropic jungles, and modern cities, is the locale of this excellent, colourful film. The charm of Quito, the farms, the Indians working on their handicraft, the sleeping volcanoes, and the pictorial beauty of the country combine to make this an unusual film. Colour. Two Reels. Coordinator of Inter-American Affairs.

T-8—The Earth in Motion

There are six parts to this film. (1) Proof that we live on a spherical earth is given and the variations in curvature of the earth's surface are shown. (2) and (3) Daily rotation of the earth and the yearly revolution of the earth around the sun are illustrated. Proof of each is given. (4) The shape of the earth's orbit is revealed, together with the motion of the earth in its path around the sun. (5) Illustrations of the inclination of the earth's axis are presented. (6) The film concludes with an explanation of the causes of the seasons. Erpi.

T-9—The Eyes and Their Care

This film is designed to present, in dynamic form, information about the

structure and care of the eyes, and to assist in developing sound attitudes of appreciation for the phenomena of vision. The film has three main sequences: learning to use the eyes, light and vision, and hygiene of the eyes. Erpi.

T-10—Face of Time

This film shows how the first geologists, with the simplest instruments and under the most primitive conditions, pioneered in the field of charting Canada's minerals. It also shows how a modern geological survey is undertaken and how constant new discoveries are aiding the national war effort. Two reels. Colour. N.F.B.

T-11—Flowers at Work

The structure and function of the sepals, petals, stamens, pistil, anthers, pollen grains, style, and ovary are shown by animated drawings. Reproductive processes of the Monks-hood, Snap-dragon, Poor Man's Orchid, Lupin, Meadow-sage, Cornflower, and Daisy are presented. An enlargement of a single Dandelion floweret is shown. Time-lapse photography reveals the graceful movements of the Tulip, Snow-drop, Spider-wort, Dandelion, Globe-thistle and Everlasting flowers in opening and closing. Different methods of pollination are depicted. Erpi.

T-13—Grain that Built a Hemisphere

The dramatic story of what corn has meant to civilization is excellently told in this colourful Walt Disney cartoon. It describes the development of corn from the time it grew wild to its present-day cultivation, and the wide variety of its uses. Colour. Coordinator of Inter-American Affairs.

T-14—Heat and Pressure

This film illustrates interrelationships between heat, pressure, and the state of any material substance. It demonstrates the principle of refrigeration. It shows the character-

istics of liquid air and its effects on various metals and substances. Edited Pictures.

T-15—High Over the Borders

This is the first picture ever to be made about the migrating birds of the western hemisphere. Produced with the collaboration of Canadian and American scientists, this film is a powerful parable of unity in a divided world. It shows, too, how closely linked are the continents of North and South America. From Hudson's Bay to the Tropic of Capricorn, the camera records the great cycle of flight taken by the migrating birds. The Canada Goose flies south to Chesapeake Bay. Canadian bred, overnight it becomes at home in the Southern States. The humming bird, weighing less than an eighth of an ounce, measuring three and a half inches from stem to stern, crosses the gulf of Mexico in a night to reach the shores of Yucatan, a non-stop flight of five hundred miles. Two reels. N.F.B.

T-16—Highways North

This is an excellent film showing the building of the Alaska Highway. Bulldozers are shown tunneling their way, also bridges in the building, and trainloads of supplies rolling into Dawson Creek. Interesting pictures of the towns and the country through which the Highway is built are included. This film emphasizes the importance of the region through which the Highway passes in the future of Canada. One and one-half reels. National Film Board.

T-17—History of Power

The primitive methods of labour of the early pioneers in such activities as cutting grain, spinning, tanning, pumping water, transportation, are contrasted with the most modern methods. This is an excellent presentation. Pioneer pictures give an excellent background. Two reels. National Film Board.

T-20—Land for Pioneers

This is a comprehensive picture of industrial development in the Canadian North, development shown from the time of the early explorers to the building of the Alaska Highway. The richness of the Natural Resources is shown, also the farm areas, the fisheries, the forests, and the rivers with their potential power. One and one-half reels. National Film Board.

T-21—People of Mexico

This film presents a living account of the origin and development of the Mexican people, with emphasis on their dependence upon the land. It describes influences of the Aztec and Spanish cultures. It provides an intimate study of Mexican home life on a plantation, their arts, crafts, food, language, music, and folk songs. It portrays the setting of a feast day in a small village, including its decorations, the odd costumes of the people, their ceremonies, dances, songs, and music. Erpi.

T-22—Peru (People of the Mountains)

Following a treatment of Lima, the modern capital, attention is focused on the ruins of pre-conquest civilizations. Present-day descendants of once-proud Indian peoples are then seen in their comparatively untouched village life, with its primitive agricultural methods, its handicrafts, and pastoral simplicity. The varied activities of a single family group receive the major emphasis throughout. This film should be useful in developing an understanding, and an appreciation of the culture of both Ancient and Modern Peru. It must be remembered that in this film the emphasis is on Indian life in Peru. No attempt is made to give a complete survey of the whole country. Erpi.

T-23—Pirates of the Deep

Animated diagrams and actual photographs portray the methods

by which the Star-fish, Medusae, Jellyfish, and the Portuguese Man of War Jellyfish secure their food. Bray.

T-24—Portage

This film has, for its general theme, the story of the manner in which the hardy fur traders and the fearless voyageurs, with the help of the native Indians, pushed back the frontiers of Canada, thus paving the way for the building of the Canadian nation. The film is divided into four main sequences: the importance of water transportation in Canada today; the early relationships between Indian trappers and white fur traders, and the part which the waterways played in these relationships; Indian craftsmanship and its effect upon modes of travel; and the contributions of the voyageurs in the development of the Canadian fur trade. The content of this film will have a decided appeal for the primary grades. The language, generally speaking, is too difficult for children under grade five. Two reels. N.F.B.

T-25—Sand and Flame

This film shows modern technique in the manufacturing of glass. Many intricate machines are shown producing glass bottles. The conclusion shows the making of shatter-proof glass for automobiles. General Motors.

T-26—Seed Dispersal

This film portrays the dispersal of plant seeds by wind; transportation by animals; and propulsion from seed cases. Closeups show the structure and movements of the Poppy, Goat's-beard, Thistle, Stone-crop, Enchanter's Nightshade, Burdock, Blumenbachia, Bean, Cucumber, Dandelion, Heron's Bill Cress, and Wild Oat seeds. Microscopic enlargements make visible the hook and spike attachments which facilitate dispersal of some seeds. Time-lapse scenes reveal the uncanny movements of the various seeds moving about, germinating, and sprouting. Erpi.

T-27—Simple Machines

This film shows the basic features of simple machines: the inclined plane, the wedge, the pulley, the screw, levers, the windlass, and pulleys. Applications of these devices to modern complex machines are demonstrated. Animated drawings clarify abstract mechanical principles. The evolution of the machine and the part it plays in contemporary civilization are treated. The film may be used in General Science courses to introduce the idea of simple machines; in Arts and Crafts courses to develop an appreciation of the principles of manual tools and equipment; in Physics courses to clarify fundamental concepts of mechanics; and in vocational guidance as a means of awakening latent interests and stimulating mechanical ability. Erpi.

T-28—The Solar Family

This film describes, with animated drawings, the nature and motions of the members of the solar system. The real and apparent motions of the planets are portrayed. Among the special phenomena presented are: the phases of Venus; retrograde motion of Mars; Jupiter's moons; change in orientation of Saturn's rings; orbits of the planetoids, Eros and Anteros; orbit of Halley's comet; and the motion of the solar system in space. The picture will give pupils a clear idea of the motion and position of the planets relative to each other and to the sun. Erpi.

T-29—Treasures of the Forest

This is a picture of the forest products industry of Sweden. It shows the cutting and transportation of logs to the pulp and saw mills; the manufacture of wood pulp, paper, and viscose; the conversion of viscose into rayon fibres. Svensk Film Industry.

T-30—Trees for Tomorrow

This film is divided into three main parts or sequences. In the opening scenes, the importance of the contribution of our forests to the

war effort is briefly presented. This is immediately followed by appropriate scenes and comments which portray the part which modern forest management plays in the conservation of our forests. The third sequence describes the nature of our forest products. The closing scenes prophesy that, just ahead of us, lies the age of wood, in which timber will be even more vital than it is today. The content and language of this film will meet the requirements of students in the Intermediate and High schools. Two reels. N.F.B.

T-31—Unrra

This film shows conditions in the war-ravaged countries of the world,

The following Sound films are obtainable from the Department of Extension, University of Alberta, Edmonton.

A-2—Belgium, the Beautiful

This film shows the important historical buildings in Brussels, Antwerp and Bruges and rural Belgium. It is an old film. Burton Holmes.

A-3—Stephen Foster and His Immortal Songs

Several of Stephen Foster's melodies are reproduced in this film. Fitzpatrick Pictures.

A-6—Silly Symphony "Spring-time"

This is an amusing symphony of insects, frogs and birds. It has an attractive musical setting well synchronized with action. Walt Disney.

A-9—Morocco, Land of Islam

This film depicts the strange life of the people of Morocco, and some of their customs, and industry. Ideal Pictures Inc.

A-10—We're on the Way

Modes of transportation are depicted in sequence in this film. Ideal Pictures Inc.

and gives an outline of some of the constructive plans of UNRRA. One and one-half reels. National Film Board.

T-32—Water—Friend or Enemy

This is a Walt Disney animated cartoon in colour done in the true Disney style. It shows how water can be a true friend to man if proper precautions are taken to see that it is pure. It illustrates correct measures to keep spring and well water from being contaminated and suggests boiling of water as a final precaution. Coordinator of Inter-American Affairs.

A-12—Reporting the World

This is a rapid fire account of outstanding events over a period of twenty-five years. Pathe.

A-13—Egypt, Land of the Pyramids

This film pictures the life and industry of both rural and urban Egypt. Fitzpatrick.

A-14—Bombay, Gateway of India

This film pictures buildings, industries and oddities of Bombay. Fitzpatrick.

A-15—Honolulu, Through the Panama to Havana

The harbour at Honolulu, the dancers, the Panama Canal and the port of Havana are shown in this film. Fitzpatrick.

A-20—The Lady of the Lake

This film gives the story of the Lady of the Lake with musical accompaniment. There is no dialogue. Five reels.

A-25—Zane Grey's South Sea Adventures

This film gives the story of Zane Grey's trip to the South Seas in his own yacht. It shows exciting scenes of fighting the giant Marlin and of visits to the exotic islands. It shows also the native dances. Five reels.

A-38—The Prodigal—A Dog

This is a good "dog" picture. It would be very amusing to juniors.

A-39—Things You'd Like to Know

Magic tricks are performed and explained in this picture.

A-43—Land of Shalimar (Vale of Kashmir, India)

This is a picture of an expedition into Tibet to climb Mount Everest. Atlas Sound Film Studios. Two reels.

A-45—Tragedy of Everest

This film pictures the story of the epic climb of Mt. Everest that ended in tragedy. Capital Films. Three reels.

A-49—The Silent Enemy

These seven reels depict in detail the life of the Ojibways combatting the "silent enemy"—hunger. (Burden-Chanler) A Beacon Film.

A-56—Swiss on White

This is a picturization of fancy skating and other winter sports amid beautiful scenery in Switzerland. Central Films.

A-57—Wings Over the West Indies

This film gives a few glimpses of the cities and countryside of the West Indies. Central Films.

A-58—Itchy-Scratchy

This is an excellent film showing the adventures of a dog and his pal

"Itchy Scratchy," a bear cub. They meet moose, cariboo, porcupines, prairie dogs and other wild life in Alaska and the Yukon. John Utterstrom. Three reels.

A-61—The Snail's Pace

This film includes a microscopic study of the habits and characteristics of the snail. Hollywood Film Enterprises.

A-62—The Ninety Thousand Dollar Fish

This film shows the taking of camera shots of rare types of fish in deep sea and in shallow waters. Paul Guerin.

A-63—On the Yangtze-Kiang

This film shows industry, life, and travel to Chungking.

A-64—Experiments with Liquid Air

This film shows a series of experiments with liquid air, its effects on a rubber ball, on air in a balloon, on vegetables and on water. General Electric.

A-65—Olympic Games

This is a series of helpful action pictures showing perfect form in numerous athletic events. Special Enterprises.

N-65—The Case of Charlie Gordon

The Vocational Training Programme of Canada under the Dominion-Provincial Youth Training Programme of 1937-42 is pictured. It is a dramatized story of a boy who "never had a chance" but is encouraged to train for useful employment in industry. Two reels.

A-66—Sound Waves and Their Sources

This film demonstrates and explains several types of sound sources, including the vocal organs. The transmission of sound waves through

the air is visualized. Such characteristics of sound waves as frequency, amplitude, wave length, fundamentals, harmonics, are explained with acoustic accompaniments. Erpi.

A-67—Plant Growth

This is a description of the complete life cycle of the pea plant. Time-lapse photography shows the opening of the flower, seed germination, growth of root, stalk and tendrils. It shows the essential floral parts and the function of insects in cross-pollination. Animated microphotography illustrates the process of fertilization and reproduction. Erpi.

A-68—Ski-Esta

This film shows the rudiments of the technique of skiing. Pictorial films.

A-69—Food of the Gods

This is a picturization of the story of the cocoa industry from growing of trees, treatment of the beans, manufacturing and marketing. Fry-Cadbury. Two reels.

A-78—Heart of an Empire

Historical buildings and sights in the City of London are pictured in this film. Strand.

A-79—So This is London

Pre-war London is shown—the docks on the Thames River, also historic and common sights of the great city. Strand. Two reels.

A-81—The Key to Scotland

This film shows old buildings, historical settings, cities, transportation and schools. Imperial Studios.

A-85—Coronation of King George and Queen Elizabeth

This is a brief presentation of the coronation. More stress is placed upon the journey than on the actual ceremony. Pathe.

A-86—Glimpses of French Country Life

This is good photography of life in the country and in the towns of France, showing habits, industries, homes and costumes of the people.

A-90—Around the Village Green

This film shows glimpses of village and rural life in England—farming, shops, schools and other buildings.

A-100—Electrostatics

Production of positive and negative electrification, insulators and conductors, electroscope and electrometer, the static machine and lightning are all shown in this film. Erpi.

A-101—Electrons

This film illustrates Faraday's laws, valence, Millikan's oil drop experiment, principles of vacuum tubes, Edison's effects, photoelectric cells, sound on film and the determination of the electron's mass are shown in this film. Erpi.

A-102—Light Waves and Their Uses

This film demonstrates the principles of refraction and reflection of light, the use of lenses in controlling light, light interference and polarization. Some sequences on polar screens, electro-magnetic spectrum and the quantum theory are provided. Erpi.

A-103—Romance of the Reaper

From cradle to combine—the invention of the reaper by Cyrus McCormick in 1831, and its development up to the present time are depicted in this film. International Harvester Co. (Three reels.)

A-108—Getting Together

This is an animated cartoon, showing parts of the telephone: receiver, transmitter, and dial. Audio-Cinema.

A-111—Ski Time in the Rockies

This film has excellent photography. It includes familiar mountain scenes from Banff and Lake Louise. It could be used in the Integrated Programme. Associated Screen.

A-113—The Chance to Lose

This is a "safety" film, showing dangers in car driving. Chrysler.

A-119—Sports Parade—Water Sports

This film shows types of water sports. Castle.

A-120—Sports Parade—Horses

This is an interesting film picturing horses. Castle.

A-121—Snow Thrills

This film shows speed-skating, fancy skating and ice-boats. Castle.

A-122—"See" No. 1

This film includes pictures of lion training, sky antics, and aquatic sports. It is the same as Silent No. 425. Castle.

A-123—"See" No. 2

This is a series of pictures of animal oddities, sports and stunts. Castle. (This film is the same as Silent No. 426.)

A-124—"See" No. 3

Turtle races, frogs, porcupines, panda, hippo, airplane stunting and tightrope walking are shown in this film. Castle. (This film is the same as Silent No. 427.)

A-126—London of Today

This film depicts the interesting sights in London. Castle.

A-128—Venice, the Magnificent

This film presents beautiful buildings in Venice—canal life, and carnival life. Castle.

A-130—Song of China

This is a remarkable film, entirely Chinese, that depicts the filial piety of Chinese family life for four generations. United Pictorial Service. Six reels.

A-136—America's High Spots

This film presents pictures of mountain scenes in the Rocky Mountains, Carlsbad Caves, Grand Canyon and the Hot Springs. Castle.

A-137—Exploring the Universe

This film demonstrates the principles of refracting and reflecting telescopes, changes in dipper, binary stars, eclipsing variables, trinary stars, motion of stars, galactic rotation, theory of expanding universe. Erpi.

A-141—Just a Clown

This film would appeal to the child's love of a circus. Castle.

A-142—Holland Days

This film is fun action for junior grades. Castle.

A-144—Germany Invades Austria

This picture shows the invasion of Austria by the German army and the entrance of Hitler into Vienna. Castle.

A-145—Nassau of the Bahamas

This is a good picture of the buildings, life and industry in and around Nassau. Central Films.

A-146—The Earth and Its Seasons

The causes of the four seasons are vividly portrayed by photography, animated diagrams and commentary. Knowledge Builders.

A-147—Sea of Strife

This is a story of the Mediterranean peoples from the early Cretans to the present time, showing the importance of this area and the struggles for its possession. Front Page. Two reels.

A-149—Mysteries of Water

This film demonstrates water as a chemical compound, as food and as a beverage, as the friend and the enemy of man. Knowledge Builders.

N-149—London River

This is a picture about the Thames and the Port of London, in peace and war the greatest trading centre of the world. It shows the London docks and preparations for their defense, also some of London's famous buildings. British Films, Ltd.

A-150—Czechoslovakia

This is a picture of beautiful Prague and the peoples and industries of the surrounding country. Pictorial Films.

A-151—China (Its Cities in Peace Time)

The people of China in the cities of Shanghai and Hongkong and in river houseboats are pictured in this film. Pictorial Films.

A-152—Midsummer in Sweden

This is a very good picture of the costumes, landscape, rural life and industries of Sweden. Kinocentrolen.

A-153—Dalecarlia, Heart of Sweden

This is a picturization of the industries in outlying districts of Sweden. Kinocentrolen.

A-154—Fishing in the Fjords

This is a good presentation of the fishing industry off the Norwegian Coast. Sanders.

A-156—Modern Rome

This film shows ancient and modern views of Rome. Castle.

A-158—A Day at the Zoo

This film includes good pictures of various animals—monkeys, bears, wild cats, giraffes, etc. Castle.

A-160—Rain on the Plains

The effects of erosion of soil by wind and how this erosion can be prevented, and the soil conserved for production, are shown in this film. U.S. Department of Agriculture.

A-162—Cooperative Wool from Fleece to Fabric

This film describes the wool industry from the growing of the fleece to the manufacturing of fabric and the part played in the industry by the Cooperative Wool Growers Associations in the United States. U.S. Department of Agriculture. (Three reels.)

A-165—Christmas Cartoon

This is the same excellent cartoon as Silent No. 395. Castle.

A-166—An Empire Link

Telephone and radio transmission with the apparatus used, are pictured in this film.

A-167—Ottawa

This is a picture of the natural beauty in and around Ottawa, Canada's Capital City. Canadian Government Motion Picture Bureau.

A-168—Canada's Cosy Corner

This is a good film on Prince Edward Island, its cities and industries and its historical background. Canadian Government Motion Picture Bureau.

A-169—When Spring Is In the Air

This film shows present day methods of tapping maple trees, gathering sap, and the fabrication of maple syrup and sugar in comparison with the methods of pioneer days. N.F.B.

A-170—Modern Eden

This film shows blossom time and harvest time in the Niagara Peninsula. It illustrates the picking, sorting and

shipping of the cherries, peaches and other fruits in this fertile region. Canadian Government Motion Picture Bureau.

A-171—Big Timber

This film illustrates the large scale lumbering operations carried on in British Columbia. N.F.B.

A-172—Canadian Pine

This film presents a complete story of the lumbering industry from forest to mill. Canadian Government Motion Picture Bureau. (Three reels.)

A-175—Saga of Silver Horde

This film shows salmon fishing methods—gill-net, trolling, drag seine, purse seine, salmon traps—employed on the Pacific Coast. It should be shown with film A-176. Canadian Government Motion Picture Bureau.

A-176—Inside Story (Canning of Salmon)

This film shows how British Columbia fresh salmon are cleaned, checked and sealed before being exported. It should be shown with No. A-175. Canadian Government Motion Picture Bureau.

A-177—Among the Clouds

This film shows preparation for and the trail ride to the foot of Mount Assiniboine, rest at Sunshine Camp, climbing the mountain, and the thrill and ecstasy of being at the top of world descent. Canadian Government Motion Picture Bureau.

A-178—Gem of the Rockies

This film pictures the two-day trail ride from Jasper to Maligne Lake, showing the Maligne River rushing through the narrow canyon, specimens of wild life, and the beauty of the lake set among majestic mountains. Canadian Government Motion Picture Bureau.

A-179—Mountain Magic

Mountain scenes in Jasper National Park are shown in this film. Canadian Government Motion Picture Bureau.

A-181—News Parade, 1938

Highlights in the World news of 1938 are presented in this film. Castle.

A-182—Fungus Plants

Time-lapse microscopic photography shows the details of growth and reproduction of fungus plants. The film deals with toadstool, puffball, mold, wood, leaf and shell fungi as well as many types of mushrooms. Erpi.

A-183—Roots of Plant

The structure and growth of various types of roots are well shown, as well as the formation and storage of starch and sugar. Erpi.

A-184—Ruins of Ancient Persia

Buildings, utensils and art of Ancient Persia are presented in this film.

A-185—She Climbs to Conquer

This film is a picture of a thrilling climb of Mount Victoria in the Rocky Mountains. Associated Screen.

A-187—Sky Fishing

This film presents picturesque views of trout fishing in Maligne Lake. Associated Screen.

A-188—Let's Go Skiing

This film is a review of the sport of skiing. Associated Screen.

A-189—Sea Going Thrills

This is a very interesting story of a trip around the Horn. Some marine life is shown. Castle.

A-190—Big Fish

This film pictures sport fishing for tarpon, tuna, etc. Castle.

A-191—Dog Show

This film is the same as Silent No. 424 and could be used in the integrated programme. Castle.

A-192—New York—The Wonder City

This film shows Wall street, the City Hall, Brooklyn Bridge, the Bowery, the docks, etc. of New York. Castle.

A-193—Yesterday Lives Again

This film pictures the first cars and planes and great figures of yesterday. Castle.

A-194—"See" No. 4

This film is the same as Silent No. 428. Castle.

A-195—"See" No. 5

This is the same as Silent No. 429. Castle.

A-196—"See" No. 6

This is the same as Silent No. 430. Castle.

A-198—Village Symphony

This film tells the story of rural home life in Austria before the war. It is accompanied by Music.

A-199—Tyrolese Costumes and Customs

This film presents village and rural life, also mountain scenery. It has an accompaniment of Music.

A-200—Mediterranean Shores

This film includes views of Algiers and Malta, showing the habits and customs of the people. Veribest Pictures.

A-201—Venice and the Glass Master

Views of Venice and how the Glass Master works are shown in this film. M. J. Kandal.

A-202—The Peacock Throne

The historic setting to Delhi, its ancient buildings and architectural gems are presented. Wm. Pizor—Imperial Pictures.

A-203—The Last Resort

Pictures of the homes, animals, coffee grading, native dances, etc. of Djibouti, French Somaliland. Imperial Pictures.

A-204—Castilian Memoirs

This film shows some industries and places of interest in Manila, Philippine Islands. Imperial Films.

A-205—The City of David (Jerusalem, Palestine)

Views of Jerusalem, the Holy City, which is sacred to Moslems and Christians, and the habits and customs of the people, are shown in this film. Imperial Films.

A-207—The Story of Bread

This film shows the importance of bread in the history of the world from the time of the early Egyptians to our present era. Various methods of bread-making in Norway, Tunisia, Germany, and other countries are shown. Long Foundation of Food Research. (Four reels.)

A-211—Spinning Levers

The principle of the lever and its relation to the automobile is the theme of this picture. It has very clear illustrations of the mechanism of transmission in modern cars. General Motors.

A-212—The Royal Visit

This film gives an authentic record of the history-making visit of King George VI and Queen Elizabeth to Canada and the United States. All boys and girls should have the opportunity of seeing this film, and of discussing the significant event recorded in it. Castle.

A-213—Diesel Simplicity

This is the same as silent film No. 487. Jam Handy.

A-214—How Movies are Made

This film provides a few useful references for optics, photo-electric cell, microphone and amplifying and projection machines. Bell & Howell.

A-215—Sock! (Self-defence)

This film shows plenty of action in boxing. It would be helpful in P.T. work. Castle.

A-216—Fresh Water Fishing

This is an interesting film of all types of fresh water fishing. Castle.

A-217—Ride 'Em Cowboy

This film includes scenes from one of the famous Calgary Stampedes.

A-218—Bali

Scenes on the Island of Bali, including religious festivals, are presented in this film.

A-219—Golden Gate City (San Francisco)

This film shows important places in the city. It is an entertaining picture. Castle.

A-220—Washington, D.C.

The various Government buildings in Washington are presented in this picture. Castle.

A-221—Fundamentals of Acoustics

This film describes the physiology of hearing—velocity, refraction, range, intensity, reverberation and focusing of sound waves. Reference is made also to advances in communication due to an increased knowledge in sound and electricity. Erpi.

A-222—Christmas Time in Toy-land

This is the same as Silent Film No. 513. Castle.

A-224—Little Boy Blue

This is the same as Silent Film No. 511. Sound effects make the film much more attractive. Castle.

A-225—Romeo and Juliet

This is a comedy with music. (Paul Terry.) Castle.

A-226—News Parade, 1939

The highlights of the year 1939 are presented. Castle.

A-227—Ski Revels

A skiing trip to the mountains, together with demonstrations of plain and fancy skiing are shown. Castle.

A-228—Adventures of Chico

In this film the Mexican boy talks about his animal friends, and their enemies. Six reels. Woodward.

N-231—Lubrication of a Gasoline Engine

This film describes the principles and types of friction and shows the necessity of lubrication, more particularly as applied to moving parts of a gas engine. Shell.

N-232—Oil From the Earth

This film depicts the story of oil, where and how it is found, the drilling and laying of pipelines, oil bearing areas of the world and their development. Shell. (Two reels.)

A-234—Scuttling of the Graf Spee

This film shows actual motion pictures of one of the most astounding sea episodes of this war. It reveals the great victory of three smaller ships of the British Navy over the gigantic pocket-battleship which led to the scuttling of the Graf Spee in Montevideo harbour. Castle.

N-234—Oil for Aladdin's Lamp

This film pictures a visit through petroleum research laboratories and

describes the many and varied uses of oil and its by-products. Shell. (Three reels.)

A-235—Industrious Finland

This is an excellent film of Finland, showing the chief industries—agriculture, forestry, nickel mining, manufacturing of china—and the cities of Helsinki and Viborg.

A-236—Sports Parade, 1939

This film presents scenes of boat racing, also championship teams in baseball, polo and football. Castle.

A-238—Swimming and Diving Aces

Swimming and diving aces in action, with emphasis on types of diving, are shown. Castle.

A-242—Quebec City

This is a travelogue around Quebec City, most historic city of Canada. Canadian Government Motion Picture Bureau.

N-242—Forty Million People

This is a story of the progress of social welfare in England. (Two reels.)

A-243—Canada's Gold Industry (Unlocking Canada's Treasure Trove)

Development of gold-mining industry in Canada and a visit into one of the largest mines are shown. (Three reels.)

A-246—Canada's Gold Industry (Gold Ore to Bullion)

These reels show the crushing of rough ore, obtaining concentrates, types of crushers, refining, cyanide, froth flotation and amalgam process. (Two reels.)

A-248—Canada's Gold Industry (The Royal Mint)

This film shows the shipment of gold arriving at the Royal Mint in Ottawa and the sequence of steps

whereby the rough bullion is refined into fine gold bars, stamped with the Royal Seal and placed in the vault.

A-249—Bombs over Europe

The invasion of Norway, Denmark and the Low Countries by Germany is shown in this film. Castle.

A-251—On Guard for Thee

This film reviews Canada's part in the first year of the War with respect to industry. National Film Board. (Three reels.)

A-254—Yes, Bananas

The planting, growth and harvesting of the banana in Central America are pictured in this film. Union of America.

A-255—Four New Apple Dishes

This is a colour film giving four recipes in detail, and showing the choice of apples for different purposes. National Film Board.

A-259—Finding Your Life Work

This film discusses the factors which go to provide a successful life and gives advice for choosing a vocation. Burton Holmes. (Two reels.)

A-261—Alaska's Silver Millions

This is a remarkable picturization of the three geographic divisions of Alaska, including an exhaustive study of the life of salmon, and of the entire salmon industry. (Three reels.) Beverly-Jones.

A-264—Jerry Pulls the Strings

The story of coffee is told by puppets. Carvel Films.

A-268—Lightning War (Invasion of Norway, Holland, Belgium, and France)

This is a newsreel showing the invasion of the countries referred to in the title of the film. L. W. Winik.

A-269—Wings Over World Wonders

This film pictures an aerial trip over many of the World's Wonders. Castle.

A-270—Palestine

This film presents views of Palestine, contrasting the old with the new. Castle.

A-272—Roaming in Scotland

In this film are shown scenes of the homes of Robert Burns and Sir Walter Scott, and Edinburgh Castle. Castle.

A-273—Come Back to Ireland

Rural life in Ireland and the customs of the people are pictured. Castle.

A-274—California Picture Book

Santa Barbara, picturesque Yosemite Park, Hollywood studios, fruit ranches and other interesting sights of California are presented. Castle.

A-275—Mexico Today

Old Mexico, its industries, occupations, and towns and villages, are presented in this film. Castle.

A-276—South American Vista

Scenes of city life in Buenos Aires and Rio de Janeiro are shown in this film. Castle.

A-277—Ice Carnival

This film exemplifies one of the best types of outdoor recreation. Castle.

A-278—Boy Meets Dog

This film is fun for junior pupils. Castle.

N-280—John Bull

The variety of breeds of cattle found in Great Britain are described in this picture. Ivan Scott.

A-281—News Parade of 1940

This film reports highlights in the news of 1940. Castle.

N-281—Coffeeland to Canada

A full description of the cultivation and harvesting of the coffee tree is given in this film. In the background is the story of the activities of the people of Central and South America. Kelly Douglas, Ltd.

A-283—Fun in Florida

This is a good film showing beauty and sports of Florida. Castle.

N-289—Coffee for Canadians

This film shows the roasting, bleaching and packing of coffee, also the proper method of making coffee. Nabob.

A-290—Tuttle Tugger

This film shows the exploits of a permanent wave demonstrator and a milking-machine salesman from the city in the unfamiliar setting of a farm. Wilding. (Four reels.)

A-322—Children of Holland

This film pictures home life, environment and activities of a country boy and girl in picturesque Holland, also a visit to a typical Dutch town in pre-war Holland. Erpi.

A-324—Shelter

These are good pictures for the Integrated Programme. The film depicts the high specialization of effort in constructing modern types of shelters and contrasts well the primitive and modern types showing their suitability to climate. Erpi.

A-325—People of the Congo

This is an excellent film showing a primitive agricultural group, their food, homes, hairdressing and head-binding. It gives an authentic description of the life of the Mang-

betu tribe. It would be useful in Social Studies, Home Economics, and Arts and Crafts. Erpi.

A-326—The Work of Rivers

The film treats the erosion cycle of water on the earth's surface, the undermining effects of waterfalls, the formation of ox-bows, sand-bars and deltas. It also gives examples of different forms of erosion. Erpi.

A-327—Geological Work of Ice

This film tells the story of glaciers, their types, formation, movements, and effects. Unusual photography provides examples of striated and grooved rocks, eskers, moraines, cirques, hanging valleys, and fiords. Animated photography explains the actions of freezing and thawing ice, glacial movements, the formation of terminal moraines, the Pleistocene glaciation period, and the present extent of the Antarctic ice cap and the Greenland ice sheet. Erpi.

A-328—Mountain Building

This film shows by actual photography and animated diagrams a great variety of rock formations and their causes: fossils, faulting, anticline, syncline, geosyncline, unconformity, earthquake. Erpi.

A-329—Energy and Its Transformations

Potential, kinetic and radiant energy, as manifested in mechanical, electrical, chemical, and thermal forms, are explained and illustrated by such devices as the pile driver, the water turbine, and a dynamite explosion. The principle of conservation of energy is shown in a demonstration of Joule's experiment. Representations of levers and pulleys are used to illustrate the relation of "energy" to "power" and "work." Present and future sources of energy are considered. Erpi.

A-330—How Nature Protects Animals

The film depicts the protective adaptations in different environments.

It illustrates speed, mimicry, colouration, armour and seclusion of homes, by reference to many different animals. Erpi.

A-331—Foods and Nutrition

Animated treatments portray normal dietary requirements of carbohydrates, fats, proteins, minerals, vitamins, and water. The absorption of sugars by the blood stream and their transformation to glycogen in the liver, together with the absorption and storage of fats are explained. The metabolism of carbohydrates, fats, and proteins in the body, and the technique of determining the basal metabolism rate are portrayed. Microphotography shows the growth of the tissue culture. Erpi.

A-332—Furniture Craftsmen

The film describes roles of the designer and skilled craftsmen in making custom-built furniture. Erpi.

A-333—The Symphony Orchestra

The film delineates the relation of composer and conductor to symphonic music and elaborates the various choirs that make up the orchestra, together with the functions of each. The techniques of the conductor are treated in detail. Erpi.

A-334—Atlantic Patrol

The film describes the life of Canadian Sailors on the Atlantic Patrol. National Film Board.

A-335—Letter from Aldershot

The film pictures the activities of the first Canadian Soldiers to arrive in Britain.

A-336—All That is England

This picture shows the beauty of English countryside in all sections of the Island. Publicity Films, Ltd. (Two reels.)

A-338—Super Thrills in the News, 1940

This film shows the Battle of Oran and the Tacoma Bridge collapse. Castle.

A-339—Home Front

Canada's efforts on the Home Front to promote a greater war effort are described in this film. National Film Board.

A-340—Not Peace but a Sword

These reels show events leading up to the present war in European countries and England. National Film Board. (Four reels.)

A-344—How We Hear

This film presents a study of the human ear and the functions of its various parts. Knowledge Builders.

A-348—Tundra (Story of the Flying Doctor Lost in the Wilds of Alaska)

These eight reels present interesting pictures which have some value in information of the North.

A-356—Call of the Wilderness

This is a very exciting story of a wolf-hound, and a mountain lion. Zeidman. (Seven reels.)

A-364—Poland Will Never Die

Life in pre-war Poland, the German Invasion and Poland's fight on the side of the Allies are shown in this film. National Film Board. (Two reels.)

A-366—Front of Steel

The need for steel in war and the efforts to obtain adequate raw supply are depicted in this film. National Film Board.

A-367—Wings of Youth

The British Commonwealth Air Training Plan is described in this film. National Film Board. (Two reels.)

A-369—British-Greek Victories

This film gives general information about the invasion of Albania and Greece and their defense. Castle.

A-370—Farm Inconveniences

This film gives advice especially for rural areas. International Harvester Co.

A-373—Hot Ice

This film gives an analysis of the skills of hockey. Canadian Government Motion Picture Bureau. (Three reels.)

N-374—Five Fit Fellows

This physical training film shows gymnastic exercises performed by five athletes. The grace and rhythm of the movements are emphasized by pictures in slow motion. Exclusive Films.

N-375—Island People

This film shows the industries and recreations of the British people. National Film Board.

N-376—Manpower

This is a survey of the labour situation in the United States. It shows what the Government has done to mobilize labour into war industries.

N-379—Hydraulics

This is a good instructional film on the properties of water and the principles of hydraulic power. It shows applications of these principles in cars, planes, lifts and presses. Shell Oil Co.

N-380—Invitation to Dance

This shows group instruction and demonstration in a ladies' dancing school. Grace and poise are developed by the exercises shown and the film is amusing as well as instructive. National Film Board.

A-381—London Can Take It

This film shows how the people of London stood up against the German air raids during the early part of the war. Warner Brothers.

A-382—Native Africa

Native and wild life in Africa is pictured in this film.

A-383—Atlantic

The story of world development around the Atlantic is given in this film. Tida. (Three reels.)

A-388—Timber Front

The first part of this film shows some of the products of the wood of Canadian forests. Logging in Eastern Canada is shown, and this is contrasted with the methods used in British Columbia. The film concludes with details of forest conservation and forest fire control—Canadian Government Motion Picture Bureau. (Two reels.)

A-392—Neighbours Under Fire

This film pictures actual scenes in London's dock district the morning after a heavy raid, showing how the Voluntary Services look after the homeless, and how the spirit of the people rises above adversity. Ministry of Information.

A-393—Coastal Defense

Britain's forms of defense for her long and difficult coast are shown in this film. British Movietone News.

A-394—America's Call to Arms

This is a picture of the training of America's armed services for war. Castle.

A-395—Children from Overseas

This is an excellent film, with sympathetic presentation. Scenes are shown of shelters in England, the landing in Canada, at school in Canada, broadcasting to parents, and Christmas. Narrator—Lorne Green. National Film Board.

A-397—Food Convoy

This is a vivid picture of the hazardous job of conveying food across the Atlantic in war-time. Eastman.

A-400—Into the Blue

This film gives a general survey of the course a flying student passes through to become a pilot.

A-401—Singing Wheels

This film emphasizes the vital role of motor trucks in our civilization, showing their contribution to the life of the people in cities, their economic contribution, their contribution to the American highway system, and their contribution to National Defense. Wilding Pictures. (Two reels.)

A-406—Teddy Bear's Picnic

This film pictures the antics of the Koala Bear of Australia. Castle.

A-407—Valse Brillante

This film presents a great artist (Brailowsky) playing a Chopin selection.

A-408—Elizabeth Schumann

This film presents Schubert's Ave Maria sung to orchestral accompaniment.

A-409—"The Children's Corner"

The pianist, Cortot, plays Debussy's "The Children's Corner." As he plays, child and toys show action. (Two reels.)

A-411—Guards of the North

This film pictures bases developed in Norway and Iceland. National Film Board.

A-412—Tools for the Job

This shows the story of how the Ford Motor Company of Canada changed their automotive factories from peace to war needs. National Film Board. (Two reels.)

A-416—The Fight for Liberty

This film outlines the course of events from August, 1940, through the succeeding year; the courage and energy of Britain; the coordination of policies and action between Britain, Canada and the United States. National Film Board. (Four reels.)

A-420—Tools for War

This film depicts the development of the German war machine and our efforts to defeat it. National Film Board. (Two reels.)

A-422—Youth is Tomorrow

The Youth Training programme of 1939 is outlined in this film. Federal Department of Labour. (Two reels.)

A-424—Royal Parks

This film associates the National Parks of Banff and Jasper with the visit made to them by the King and Queen during the Royal Tour of 1939. National Film Board.

A-425—Banff-Jasper Highway

The beginning of construction of this road in 1931 is shown. This is followed by scenes of the finished road—Lake Louise, Hector Lake, then Bow Lake. The final scenes are of Jasper. National Film Board.

A-427—Wheels Across India

This very fine film gives many interesting views of life in mysterious India. (Three reels.)

A-430—"Mystic India"

These are excellent scenes of various people of many castes and religions. The sacred Ganges, the beautiful Taj Mahal, and sacred festivals are shown. Castle.

A-432—Wild Elephant Round-Up

This is an exciting adventure story of the capture of wild African elephants by trained natives and a white man. It is the same as Silent Film No. 617. Castle.

A-433—The Chimp's Adventure

This film shows the adventures of a chimpanzee in an amusing role. It is the same as Silent Film No. 618. Castle.

A-434—Arctic Thrills

This film portrays a polar bear in the Arctic. There is considerable excitement and adventure attached to the seeing of this film. Castle.

A-435—News Parade of 1941

This film shows important events in theatres of war during 1941. Castle.

A-436—Merry Christmas

This film shows the work-shop in action and Santa visiting a Happy Family. Castle.

A-444—Peoples of Canada

This is a documentary film of the building of Canada's people. It should broaden the minds of young Canadians and make them familiar with the contributions of various races to Canada's growth. Associated Screen. (Three reels.)

A-447—Battle of Brains

Mobile warfare versus fixed positions of defense is pictured here, also production in Canada. National Film Board.

A-448—Satan's Playground

This series provide information useful in Geology but too long for one class period. G. Allan. (Three reels.)

A-451—Phantom Sea

This is an interesting film showing remarkable pictures of animal and plant life and geological phenomena. Clifton. (Three reels.)

**A-456—Andante et Rondo (Weber)
played by Gregor Piatigorsky**

This 'cello solo by an eminent artist is suitable for Music Appreciation. Winik.

A-458—Malaguena (Albeniz) played by Jacques Thibaud

This violin solo is suitable for Music Appreciation.

A-459—Serge Lifar and the Corps de Ballet and Orchestra of Paris Opera

This film presents Serge Lifar and the Corps de Ballet and Orchestra of Paris Opera. Winik.

A-460—Bicycling with Complete Safety

This is a demonstration of the rules for safe bicycle riding, and illustrates the results of breaking these rules. Bell, Howell and Calvin.

A-463—Churchill's Island

This film shows the strategy of the battle of Britain and the relationships of the various forces that made up the defense of the Island. National Film Board. (Two reels.)

A-467—Canadian Landscape

This is a description of how A. Y. Jackson, a well-known Canadian artist, locates landscape to paint, and his technique in selecting desired parts of the landscape for his paintings. National Film Board. (Two reels.)

A-469—Electrodynamics

This film describes Galvani's discovery of current electricity, magnetic fields, electromagnets, Rowland's experiment, magnetic hypothesis, recalcence, induction by a magnet, A.C. and D.C. generators, induction by electric current, and transformers. Erpi.

A-470—Britain's Commandos in Action

These are actual scenes, taken under fire, of the attacks on points in Norway. Castle.

A-476—Maple Sugar Time

This is a colour film of maple sugar time showing old methods of gathering and processing the maple sap. National Film Board.

A-481—Bacon for Britain

This is a colour film giving a comprehensive survey of the preparation and finish of the Canadian bacon hog for the British market. National Film Board. (Two reels.)

A-484—Battle for Oil

This film shows the great importance of oil in modern industry and war. National Film Board. (Two reels.)

A-486—Russia Stops Hitler

This picture includes war scenes and gives general information about the effort of the Russian people. Castle.

A-487—Pearl Harbour

This picture shows the results of the Japanese attack on Pearl Harbour. It also shows the S.S. Normandie and its destruction. Castle.

A-488—Ottawa on the River

This is a colour film showing Ottawa's buildings, sports and lumbering. National Film Board. (Two reels.)

A-490—Northwest Frontier

The development of the Northwest section of Canada is portrayed in this film. (Three reels.)

A-502—Wartime Factory

This film shows a British aircraft factory organized for war. National Film Board.

A-506—Fight that Fire

This film shows the causes of fires and the use of fire extinguishers. Transfilm.

A-509—Women at War

This film shows how the women of Britain adapted themselves to wartime conditions to replace men. National Film Board.

A-514—Ordinary People

This film shows the manner in which the people of London carried on during the "Blitz" Days of the present war. National Film Board. (Three reels.)

A-521—MacArthur and Manila

This is a news reel showing the bombing of Manila by the Japanese and efforts to defend the country. Castle.

A-522—When You Know

This film shows the necessity of good health, and a knowledge of your aeroplane if you wish to become a good pilot. The idea of care and knowledge is applied to car driving. Though this film has a safety emphasis, it would be very useful in Aeroplane studies and Air Cadet work. Jam Handy Corporation.

A-529—Tom Tom, the Piper's Son

This excellent film presents familiar nursery rhymes charmingly. Castle.

A-530—The Moth and the Spider

This film shows the spider as the villain. Natural habits of spiders, moths, and horse-flies are woven into the story. (Terry Toon Cartoons.) Castle.

A-531—Canine Comedy

This is a good film. Dogs put on a show—admission, one bone. Castle.

A-532—Wild West Daze

This film presents amusing situations with typical western settings. Moose, snakes, skunks, Indians, and settlers in their covered wagons are shown. The Terry Toon Dog is the hero. (Terry Toon Cartoons.) Castle.

A-533—The Mouse and the Lion

This is a very good film. A variety of musical themes are introduced to accompany the various episodes. Castle.

A-534—Streamlined Robinson Crusoe

This is a musical comedy version of the story. It includes good choruses by jungle animals and solo work by Friday. Castle.

A-535—Farmyard Whoopee

This is an amusing Terry Toon Cartoon. Castle.

A-536—The Bee and the Butterfly

This is a tuneful and amusing cartoon. Woodpeckers build a house as humans might. A snail carries home the honey for the hero (Bee). The Bee woos the Butterfly until the sinister Spider kidnaps her. The ringing bluebells call out the firebugs and they save the day! Castle.

A-538—Peace River

This film describes the Peace River district. National Film Board. (Two reels.)

A-540—Grey Owl's Little Brother

This is an authentic picturization of Grey Owl and the beavers, with excellent details of dam-building. Associated Screen.

A-541—Return of the Buffalo

The Buffalo, once Monarch of the Plain—slaughtered by white men—are shown at Buffalo Park, Wainwright, Alberta.

A-542—Wings of the Continent

This film shows the development of the aeroplane for passenger and freight traffic. (Two reels.)

A-544—His Majesty's Minelayer

This film shows life and work on a Minelayer.

A-547—Wood for War

This film pictures Canadian Woodsmen lumbering in Scotland.

A-548—First Aid

This film shows the need of first aid knowledge. With diagrams, it demonstrates the methods of stopping bleeding and of immobilizing fractured bones by means of splints and braces. Erpi.

A-550—Clothing

This film gives a satisfactory and stimulating introduction to the study of clothing. Influence of climatic conditions is clearly indicated. It contrasts the primitive and modern methods of manufacture. Erpi.

A-551—Weather

This film deals with the importance of weather, weather elements and measuring instruments, solar radiation, circulation of the atmosphere, polar front and cyclone wave, aviation and weather forecasting, identification of cloud forms. Erpi.

A-552—The Development of Communication

This film describes the need of more rapid transportation during the pre-electric period and the inventions that made possible instantaneous communications—the battery, ground connection, telegraph, cable, wireless and radio. Erpi.

A-553—The Cattleman

His duties: repairing fences, herding cattle, marketing, care of horses, rounding up, dipping and shipping

cattle; and cowboys around the campfire are pictured in this film. Erpi.

A-554—Animals in Modern Life

This film shows the reasons for domestication of animals—to furnish power, clothing and food. It shows also the changes in status due to modern developments. Erpi.

A-555—Adventures of Bunny Rabbit

This film dramatizes the experiences of members of a family of rabbits. The different rabbits meet many different animals and have exciting adventures. Erpi.

A-556—Three Little Kittens

This is a delightful film of mother cat and her three kittens, showing growth and habits. Erpi.

A-557—Robin Redbreast

This film tells the story of a robin family. The development of the young in the nest is depicted from hatching to maturity. The calls and notes of the birds are reproduced. Erpi.

A-558—Eskimo Children

This film portrays the activities of an Eskimo family living on Nunivak Island off the Alaskan coast. The food, shelter, and clothing are shown, also recreation and family relationships. This is a good picture of the Eskimo of modern time. Erpi.

A-559—Midway and Coral Sea Battles

This is a Newsreel of Midway and Coral Sea battles in the present war. Castle.

A-560—This is Blitz

This film pictures the German tactics of speed and ruthless destruction, and the Allied counter-strategy and resources mobilized to meet the enemy. National Film Board. (Two reels.)

A-565—Learn to Swim

This film traces the steps necessary in learning to swim. Civilian Conservation corps. (Two reels.)

A-567—Life Saving

This film depicts and explains the requirements, adaptation, personal safety, approaches, carries, releases, shallow-water carries, and resuscitation of the Schafer method. Many views are taken under water. Civilian Conservation Work. (Two reels.)

A-574—The Sign of Dependable Credit

How mass production has brought about new markets and inventions is described. The unsuitability of the banking system for long term credit as required in agriculture, and the part credit unions play are also shown in this film. United States Department of Interior. (Two reels.)

A-579—Corvettes

An outline of the tasks encountered by a typical corvette in protecting United Nations convoys on the seven seas is presented in this film. National Film Board.

A-580—Defeat Diphtheria

This film presents simple diagrams of effects of disease and of how antitoxin works. The method of injection and its success are shown. This is a good film for Adult Education. Paul Rotha.

A-581—Furnaces of Industry

The story of the manufacture of steel is given in a technical manner in this film. Merton Park Studios.

A-584—Behind the Guns

Soldiers without uniforms—munitions makers, shipbuilders, and aircraft workers—are the heroes of this film. It emphasizes the vital importance of the home front, since only untiring effort and careful workmanship in the factory can assure dependability in action. (Two reels.) Merton Park Studios.

A-586—The Fight for Egypt

This film is a newsreel of the struggle for Egypt in the present war. Castle.

A-587—Here Comes the Circus

This is an excellent film of a circus. It has good barkers, many different animals, good clowns, and good pageantry. Castle.

A-591—African Pygmies

This film depicts the marvelous skill of Pygmies in bridge-building by vines. Castle.

A-592—Sport Spellbinders

This is good action, interesting to senior pupils—pole-vaulting, motor cycling, obstacle, and horse racing. Castle.

A-593—News Parade of 1942

This is a newsreel of war efforts of allied forces in different theatres of war during 1942. It is the same as Silent Film No. 643.

A-597—Symphony Orchestra Series

The String Choir
The Woodwinds
The Brass Section
The Percussion Group

These reels are valuable in showing the functions of these groups in orchestral work. Erpi. (Four reels.)

A-601—Ukrainian Christmas

This is a colour film depicting and explaining the Christmas customs of the Ukrainians. It is filmed in Manitoba. National Film Board. (Two reels.)

A-606—Our Fighting Allies

This film presents the industries carried on in England by the people who fled from Czechoslovakia to assist in the war effort. Ministry of Information.

A-607—White Battle Front

This film outlines research work of scientists in Britain to destroy microbes that would increase the death rate in the present war. National Film Board.

A-608—Forward Commandos

This film presents pictures of guerilla tactics and commando training in Canada, and an actual raid on Norway. National Film Board. (Two reels.)

A-611—Inside Fighting Russia

This film reveals how the energy and indomitable spirit of the Russians and their tools of war stopped Hitler's timetable. National Film Board. (Two reels.)

A-614—High Over the Borders

This is the first picture ever to be made of the migrating birds of the Western hemisphere. Birds, from the Canada Goose to the Humming Bird, are shown in flight over many parts of the country. National Film Board. (Two reels.)

A-616—Keep 'em Flying

This film stresses the need for planes and shows Canada's part in their production. National Film Board. (Two reels.)

A-623—Road to Tokio

This film presents war information concerning Canada's part and the Alaska Highway. National Film Board. (Two reels.)

A-625—Inside Fighting China

The truth about the perfidy of Japan and the struggle in China, are revealed in this film. National Film Board. (Two reels.)

A-627—Voice of Action

This film describes the active part played by radio in peace and war and its coverage of war news. National Film Board. (Two reels.)

A-629—Battle is Our Business

This film pictures the Canadian soldier learning the business of war. National Film Board. (Two reels.)

A-637—Yanks Invade Africa

This film shows the landings of troops in Africa and the British advance in Tunisia. Castle. This is the same as Silent Film No. 644.

A-639—Women are Warriors

This film pictures the work of women to release men for active service. National Film Board. (Two reels.)

A-643—There, Too, Go I

The work of the Red Cross in peace and in war is portrayed in this film. Associated Screen News.

A-646—The Nose Has It

This is an instructive comedy on sneezing. Gaumont.

A-647—Vitamins A, B₁, C, D

This is an excellent film for all grades and nutrition classes. Sources of each vitamin are well illustrated. The positive effects of these vitamins are very strongly emphasized. Experiments with white rats and guinea pigs are shown. National Film Board. (Two reels.)

**A-654—Battle of Tunisia
Surrender of Stalingrad**

This film pictures the Allies advancing through Tunisia and the attack of the Russians at Stalingrad. Castle.

A-657—Paratroops

This film follows the paratroopers through each step of their training for active service. National Film Board. (Two reels.)

A-662—Canadian Mail

These reels show Canada's Postal Service in action. (Two reels.)

A-664—The Cliffs of Dover

This film pictures Dover in the early days of the war and its use now by the Services as a training ground for future operations. United Artists.

A-666—Aida

This is a most valuable and artistic film of this beautiful opera. The film begins with the Triumphal March sung by a chorus accompanied by the Orchestra. Interesting and instructive close-ups of all the instruments are given. National Philharmonic Orchestra.

A-667—Rosamunde (Schubert)

This beautiful film provides a musical treat and at the same time shows various sections of the orchestra in action.

A-671—Birds of Canada

In this colour film, the Kingbird, the American Bittern, and the Black-billed Cuckoo are featured. There are some excellent flight shots and unique pictures of the nesting habits of these birds. National Film Board.

A-675—What Makes Us Grow

This film stresses the importance of proteins and minerals. We follow a school boy home to lunch, and observe the well-planned meal which helps to give him his robust physique. An experiment with white rats is shown. National Film Board.

A-679—Fighting Norway

This film shows allied war efforts against Norway invaders. National Film Board.

A-680—Victory in Sicily

The landing and attack by Allied forces in Sicily is shown in this film. Castle.

A-681—World of Plenty

This film describes the food situation before the war, the need of food in Britain, methods of control

and the post-war food situation. British Information Service. (Four reels.)

A-685—Sicily—Key to Victory

This film shows the First Canadian Division victory in the Sicilian campaign. National Film Board. (Two reels.)

A-688—Getting Out the Coal

A story of the technique of modern coal mining, this film graphically and pictorially illustrates the various states of coal formation and the exploitation by men and machinery of the "black diamond," the most essential of all minerals for the prosecution of the war. National Film Board.

A-698—Thought for Food

This film gives a resume of Canada's food situation and of how wartime shortages lead to a study of the science of nutrition. National Film Board. (Two reels.)

A-702—Italy Surrenders

This film provides a very graphic and real description of the invasion of Italy. Castle.

A-705—Three Little Bruins

This interesting film shows many excellent photographs of baby animals in Spring. There are turtles, owls, otters, the muskrat, foxes, twin fawns, a little skunk, and a racoon. The special feature is the activities of the Three Little Bruins. Castle.

A-706—Clyde Beatty's "Animal Thrills"

This is an excellent film showing man's control of man-eating animals. Castle.

A-707—Kiko, the Kangaroo

This is a very good cartoon. Kiko, after many struggles, is able to banish the big bad wolf. Castle.

A-708—The Christmas Cartoon

This picture shows delightful action of a happy family on Christmas morning. It introduces a sound film within the film. Castle.

A-717—Puss in Boots

This is a delightful film in colour—Puss in Boots brought up-to-date. Castle.

A-720—Sports in the U.S.S.R.

This film shows types of sport indulged in by youth of U.S.S.R. to promote physical fitness. Castle.

A-721—Russian Folk Dances

This film would be of value in all classes where folk dancing is taught, and would also be of value in Social Studies in the Integrated Programme. Lanfilm Studios, U.S.S.R.

A-722—Swan Lake Ballet

This film presents the ballet of the U.S.S.R. Mosfilm Studios.

A-723—Golden Mountains

This is an excellent film. It presents close-ups of each section of the Orchestra and then the complete ensemble. Aitkimo.

A-724—News Parade of 1943

This film is the same as Silent Film No. 649. It presents the progress of the war in 1943.

A-731—Malta G.C.

This film shows the defense of Malta against the many air raids experienced. National Film Board. (Two reels.)

A-734—Lake Carriers

This film describes ore production and steel manufacturing. National Film Board.

A-738—Choose to Live

This film tells that surgery, x-ray and radium are the three methods of treating cancer, which is "curable if taken in time." Provincial Department of Health. (Two reels.)

A-740—Vitamin Wise

In this excellent film, problems of conservation of the most important vitamins are most efficiently discussed. The sources of these vitamins are fully developed. National Film Board. (Two reels.)

A-742—Prelude to War

The primary purpose of these films is to show why democratic countries are fighting. They show the methods by which the leaders of Germany, Italy and Japan were able to impress upon their peoples the doctrine of Fascism. They show how the democratic countries tried to prevent war but to no avail. National Film Board. (Six reels.)

A-748—The Nazis Strike

This excellent film shows in detail Germany's idea of conquest from the time of Ghengis Khan to Hitler. The Nazi geopolitical theory is well diagrammed, and the breaking-up of Europe is shown in detail. National Film Board. (Four reels.)

A-758—"West Wind"

This is an entirely delightful film of the life and work of the Canadian artist, Tom Thomson. His most outstanding pictures are shown in clear tones. National Film Board. (Two reels.)

A-761—That They May Live

The first reel shows Blood Donor Clinics in action, and the preparation and shipment of the life-saving plasma. The second reel would be of particular interest to Junior Red Cross Groups for here is shown the packing of prisoners of war parcels and the nurseries for blitzed children. Associated Screen. (Two reels.)

A-778—Handle With Care

This picture shows the manufacture of high explosives. (Two reels.)

A-780—A Man and His Job

This film shows the conditions that led to the introduction of the Unemployment Insurance Act; how the Act works and how it hopes to prevent former conditions due to lack of employment. National Film Board. (Two reels.)

A-790—Heirs of Tomorrow

This is an excellent picture showing children from bombed out areas in England. This would be of particular interest to Junior Red Cross members for the children are shown at the Junior Red Cross Nursery. Movie-tone.

A-799—When Do We Eat

This film deals with the question of correct nutrition with special emphasis on loss of manpower hours due to lack of proper food. It demonstrates the amounts of food and types of food to be served at each meal to promote the highest efficiency. National Film Board. (Two reels.)

A-807—Patterns of American Rural Art

The handiwork of Americans who are artists in the industries of weaving, basket-making, carving, etc., is shown. This is a coloured film of considerable interest.

A-808—Children First

The very great value of milk and of all the milk products in the diet of the whole family, and more particularly the children, receives the necessary stress in this excellent film. The preparation of these products, and their shipment Overseas, is outlined in detail. National Film Board. (Two reels.)

A-849—A Friend for Supper

The scene of this film is laid in a classroom in an urban Canadian school. It explains how Canada is helping to remedy the shortage of foodstuffs in occupied countries. It also explains the main foodstuffs exported by Canada. This film appeals to the child's sense of compassion and cooperation in urging it to look upon Canada's food resources as a precious gift to be respected by all. National Film Board.

A-250—Battle for France

This film pictures the story of Dunkerque, the fighting of the French armies, the bombing of Paris, the fall of the Maginot Line, and the rise of Petain to power. Castle.

A-139—Beanstalk Jack

A-140—Pandora

A-223—Pirate Ship, The

A-224—Little Boy Blue

A-438—Jack Frost

A-439—Aladdin's Lamp

A-440—Old Mother Hubbard

A-441—Pincushion Man, The

A-442—King's Tailor, The

A-443—Mary's Little Lamb

A-529—Tom Tom, the Piper's Son

A-537—Owl and the Pussycat

A-713—Sinbad, The Sailor

A-714—Big Bad Wolf

A-715—Whittington's Cat

A-716—Headless Horseman

A-717—Puss in Boots

A-718—Little Black Sambo

These films are picturizations of well-known children's stories in cartoon form.

PART THREE

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of

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PART THREE

FILMSTRIPS (PICTUROLS)

The filmstrip, filmslide, or picturol, consists of a series of still pictures printed on strips of non-inflammable film, 35 mm. in width. These pictures are projected on the screen by means of a portable strip-film projector. From twenty to one hundred pictures may be printed on one strip which can be rolled up and placed in a tiny metal container. The best type of strip-film projector for a school to purchase is one which has an attachment which accommodates the 2"x2" glass slide.

METHODS OF TEACHING WITH FILMSTRIPS AND SLIDES

In general, the methods are much the same as those suggested for the use of motion pictures.

1. **There should be adequate teacher preparation.** The teacher should preview, plan objectives or purposes for which the materials are to be used, read carefully the study guide (if one is provided), and prepare to use the aid as a part of the teaching techniques needed to teach a lesson or unit of work.

2. **There should be adequate class preparation.** The teacher should discuss with the class the questions to be answered and the problems to be solved. Other means of answering these questions and solving these problems should be undertaken. When all pupils are definitely aware of the objectives, then

3. **Use the Aid.**

4. **Immediately after, there should be the class follow-up.** During this period there should be a discussion on the information gained, which will include the answers to the preparatory questions, and the solutions to problems previously outlined. Parts of the pictures, which were not understood by the class, should be outlined. Then the aid should be re-shown, in full or in part, as the need may arise. This might be followed by a short quizz. As soon as possible, however, **go to a practical application** of what has been learned. All these steps may take three or even a greater number of class periods, depending, of course, upon the range of subject matter contained in the visual aid being used.

5. **How concrete is your teaching?** Does it result in purposeful activity? Does it lead to pupil enthusiasm, to the desire to gain new experiences, and to explore new fields of thought? All purposeful activity must lead on to further purposeful activity of a broader nature. In this way boys and girls learn to understand the world in which they live.

Filmstrips will be added to the Library of Audio-Visual Aids of the Department of Education later.

All of the following filmstrips are in the library of the Department of Extension, University of Alberta, and are obtainable upon application to the Supervisor, Division of Visual Instruction, University of Alberta, at the usual rental rates. See page 2.

Some of these filmstrips have explanatory headings and others have teaching guides. Teaching guides will accompany the filmstrips where they are available.

FILMSTRIPS

Filmstrips based on Great Motion Picture Productions are available free to contract holders. They may not be rented separately, but can be bought outright for \$3.00 each from the Division of Visual Instruction of the Department of Extension, University of Alberta. These filmstrips are indicated by the sign "*" preceding the title.

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CLASSIFICATION OF FILMSTRIPS

This Subject Classification, including Optimum Grade Placements and Grade Spreads, is based upon the Programme of Studies for Alberta schools. The Optimum Placements and Grade Spreads are suggestive only. Teachers may differ with the evaluation and find many uses for the filmstrips other than those specified. The Audio-Visual Aids Branch will welcome suggestions on the Film Evaluation Report, Form AV-14. Some filmstrips have been given a Grade Spread only. For filmstrips listed under two or more subjects, the Optimum Placement appears in one list only, i.e. in the classification where the filmstrip is considered of greatest value.

ART

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DESCRIPTIONS OF FILMSTRIPS

2—How Some Animals Get Air

These pictures show adaptations for breathing of some animals and insects. State College, San Jose.

5—Some Nesting Birds

These are good pictures of a number of familiar birds—nests, eggs and their young. Among those included are the cliff swallow, humming birds, mallard and killdeer. San Jose State College.

7—Butterflies

These are good pictures of familiar types of butterflies. State College, San Jose.

11—Nature Pets

These are close-up pictures of familiar insects, birds and animals such as—silk worm, toads, snakes, hawks, gopher, chipmunk, weasel, owls, and porcupine. San Jose State College.

21—The Life of the Eskimo

Many episodes in Eskimo life are shown. Interesting situations are presented. There is a particularly good view of tools used by the Eskimo. Bray.

22—Arts and Crafts of the American Indian

This filmstrip shows the Arts and Crafts of the American Indian, such as carving, canoes, basketry, pottery and embroidery. University Museum, Philadelphia.

24—Arts and Crafts of Negro Africa

This filmstrip shows interesting examples of wood-carving, pottery and other arts of the negro. University Museum, Philadelphia.

25—Life in the Desert

This filmstrip depicts the story of the desert tribes and their mode of living. University Museum, Philadelphia.

26—People of North Africa

These pictures show some interesting views of inhabitants, clothing, and shelter of the people of North Africa.

28—Arts and Civilization of the Maya

This filmstrip shows the Arts and Civilization of the Maya tribe. University Museum, Philadelphia.

35—Life in Ancient Egypt

This filmstrip presents good illustrations of life in Egypt. University Museum, Philadelphia.

36—People of the Philippines

A good idea of life in the Philippines prior to the war is presented in this filmstrip. University Museum, Philadelphia.

40—Australia (Aborigines and Customs)

These pictures would be of use in an enterprise on Australia. Though the pictures are limited, they could be used to supplement where other material is not available. University of Philadelphia.

41—The Earth as a Whole

These pictures could be used in explanation of the seasons, earth's motions and time. Spencer Lens.

43—Canada, Western

This filmstrip presents industries and scenery in Western Canada. Picturol.

44—Canada, Eastern

This filmstrip depicts the industries, water-power and manufacturing centres of Eastern Canada. Society for Visual Education.

48—Myak, the Little Eskimo Boy

In these pictures, the story of Myak tells some of the problems of food, clothing and shelter, work and play, in his home in the Big Cold and the Dark. School Craft Pictures.

52—Zulu Girl from Africa

These pictures present the problems of food, clothing, shelter, work and play among Bantu tribes of South Africa, especially among Zulus.

74—Production and Transportation of Wheat and Manufacture of Bread (Two parts)

This film depicts the history of wheat from seed to bread in three parts—Seeding and harvesting, transportation, production of flour and the making of bread. Bray.

76—Coffee

This film shows the production of coffee in Brazil—planting, washing, sorting, loading, arrival in America where it is roasted, blended and retailed. Bray.

84—Pied Piper of Hamelin

This is a very good filmstrip of this story. The rats are made real and much of a nuisance, and the piper attractive enough to make the story seem plausible.

67—Railroads

This filmstrip shows good pictures of the inside of a train and the various types of trains. A round house is also shown. Spencer Lens.

88—Italy, Agricultural and Industrial

This filmstrip shows the handling of various products of agriculture, mining and fishing of Italy. Picturol.

92—Union of South Africa

This filmstrip shows important buildings and interesting views of South Africa. Picturol.

93—Belgium

This filmstrip presents famous buildings of Belgium. Picturol.

101—Peru and Bolivia

Pictures of buildings, mountain scenes and industries of Peru and Bolivia are shown in this filmstrip. Picturol.

95, 96—Northern Italy Southern Italy

This filmstrip shows many beautiful old buildings with a few incidents from the life of the people of Italy. Picturol.

98—The Netherlands

This is a film of pre-war Holland. Industries such as cheese, fishing, diamond cutting are shown. Society for Visual Education.

103—Europe as a Whole

This film includes some maps and points of interest in Europe. Picturol.

104—England and Wales

This filmstrip includes pictures of many buildings and places in England and Wales. Spencer Lens.

107—British Guiana

This filmstrip shows mainly the industries and products of British Guiana.

109—Silkworms and Silk

This filmstrip shows various stages of the life of the silk moth, and the reeling of thread from cocoons, also the shipment of silk. Society for Visual Education.

115—Dairying and Dairy Products

These are good pictures of the modern manufacture of butter and

cheese, and the production and care of milk from cow to consumer. Spencer Lens.

116—Flax and Linen

This filmstrip shows the growing of flax and the manufacture of linen. Spencer Lens.

117—Flour Milling

Clear pictures of a flour mill are shown. Modern methods are depicted. A good guide accompanies this film. Spencer Lens.

118—Glass

The materials, instruments and processes used in making glass are shown in this filmstrip. Spencer Lens.

120—Irrigation

Various steps of irrigation are clearly shown: irrigation of onions, sugar beets and sugar cane. Spencer Lens.

124—Salt

This filmstrip shows the production, mining and packing of salt. Spencer Lens.

125—Steel

Mining iron ore, its conversion to steel and the making of steel products are shown in this filmstrip. Spencer Lens.

127—Maple Sugar

This filmstrip pictures old and modern methods of producing maple sugar. Spencer Lens.

132—Forest Conservation (Friends of Trees)

This filmstrip shows pictures of various types of birds that are friends of trees in connection with forest conservation. Spencer Lens.

139—Some Insect Life Histories

This filmstrip shows a variety of insects in different stages of their life. Eastman.

147—The Mosquito

This filmstrip shows the breeding places and development of the mosquito. Society for Visual Education.

151—Protoplasm, Amoeba, Historical Survey of the Beginning of Life

This filmstrip shows the formation of earth's crust, fossils, amoeba, paramecium, protoplasm. Bray.

152—Reproduction in Lower Forms of Life

This filmstrip shows reproduction by cell division and by conjugation, reproduction of hydra and of plants (flowers), and the parts of plants used in reproduction. Bray.

153—Reproduction in Higher Forms of Life

This filmstrip shows the reproduction of fish, of chicks and of child, illustrated by numerous and excellent diagrams. Bray.

154—Interdependence of Living Things

This filmstrip presents diagrams to illustrate chemical features of the life cycle. Bray.

158—Man and His Body

This filmstrip includes pictures of parts of the human body—the skeleton, muscles, digestive and excretory systems and teeth.

165—Life of Pygmies

Fairly good pictures of pygmies, their homes and living habits are included in this filmstrip. University of Philadelphia.

166—Egypt in the Time of the Exodus

This filmstrip portrays the story of the Israelites, their tombs, scripture, temples, and statues. University Museum, Philadelphia.

167—Egyptian Arts

Pictures of tools, pottery, paintings, sculpture, inlays, and architecture are shown in this filmstrip.

168—Greek Life

This is a picturization of Greek games, chariot racing, and the training of athletes in Greek life. University Museum, Philadelphia.

254—Anecdotes About Dogs

This filmstrip shows clear pictures of more than thirty well known types of dogs. The guide stories are very interesting.

255—Architecture of English Cathedrals

Views of famous cathedrals of England are shown in this filmstrip. Newton and Co.

260—Australia As It Was

Pioneer life in Australia, its agricultural and mining industries are shown. Newton & Co.

264—Burns and His Works

This film shows scenes of interest in the life of Robert Burns. Newton & Co.

266—Cairo and the Nile

Points of interest in the ancient land of Egypt are shown in this filmstrip. Newton & Co.

278—Czechoslovakia

Buildings and scenes in Czechoslovakia are shown in this filmstrip. Newton & Co.

279—David Copperfield

These are old fashioned pictures in color that portray very well some important episodes from David Copperfield. These pictures would be useful to supplement Literature. Newton & Co.

286—Edinburgh and Round About It

Views of Edinburgh and the surrounding country are shown in this film. Newton & Co.

296—Ireland

This film (in two parts) shows famous buildings and scenic splendour of the Emerald Isle. Newton & Co.

311—Mediterranean Shores

These films show points of interest and architectural high spots in countries about the Mediterranean. Newton & Co.

323—Scott and His Country

This film (in two parts) shows mainly the castles and scenes that will live forever in the novels of Scott. Newton & Co.

345—Yugoslavia and Its People

Landscape, buildings and cities of Yugoslavia are pictured in this film. Newton & Co.

348—Pyramids and Sphinx

Views of the sphinx and pyramids are shown in this filmstrip.

349—Native Life in Nigeria

This film shows the conditions of life such as housing, food and industry of Nigerian Natives. Visual Information Service.

350—Gold Coast

This film shows the main products of the Gold Coast.

354—Southern Rhodesia

Products, industries and points of scenic interest are shown in this film. Visual Information Service.

361—Picture of Quebec

Pictures of old and modern Quebec are shown in this filmstrip. Visual Instruction Service.

362—Mississippi Valley and Old South

Products, industries and natural objects of interest along the Mississippi are presented in this group of pictures. Visual Information Service.

364—Pacific Coast

This filmstrip shows points of interest in California. Visual Information Service.

367—India in Field and Forest

Pictures of industries and animals of India are included in this filmstrip.

369—Rice Cultivation

The growing and harvesting of rice in India are shown in this picture. Visual Information Service.

370—Tea, Coffee, and Sugar Fields in India

This filmstrip shows methods of growing tea, coffee, and sugar in India.

371—People and Places in Mysore

This filmstrip presents pictures showing the mode of life of the people of Mysore, and its buildings and places of interest. Visual Information Service.

372—Pictures of Malaya

This filmstrip shows Singapore, Penang, and Malaya, past and present.

373—Pictures of Burma

Buildings and people of Burma are shown in this filmstrip. Visual Information Service.

374—Central and South China

This is a group of very good pictures of this section of pre-war China. Both urban and rural activities are shown. Visual Information Service.

376—Australia, the Land

These pictures show the physical features of Australia. Visual Information Service.

377—Australia, the People

These pictures show the life and habitations of the people of Australia, its industries and cities. Visual Information Service.

378—Australia, the Products

This is a picturization of the products of Australia—wool, sugar and lumber. Visual Information Service.

379—New Zealand, North Island

This is a picture of the landscape and scenery of the Island. Visual Information Service.

380—New Zealand, South Island

The landscape and scenery of South Island are shown in this filmstrip. Visual Information Service.

382—Papua (British New Guinea)

A variety of occupations is shown in this filmstrip. Visual Information Service.

383—A Day in Paris

This coloured film shows buildings and places of interest in Paris.

385—Malta

The life of the people of Malta, also outstanding buildings are pictured in this filmstrip. Visual Information Service.

386—Maps of Asia

Maps of Asia, especially India, showing the products, rainfall, etc., are presented in this filmstrip. Spencer Lens.

387—Cyprus

This filmstrip portrays the agricultural industry and outstanding buildings on the island of Cyprus. Visual Information Service.

388—A Tour of Denmark

These pictures of a tour in Denmark show the people, buildings and landscape. It is not of recent date.

390—Scenes in Sweden

Important buildings and landscape of Sweden are shown in this group.

392—Hungary

This filmstrip presents the people and scenes of the country. Visual Information Service.

394—Port of London

These pictures show views of London and its docks, shipping, and points of interest. Visual Information Service.

395—Denudation and Earth Sculpture

This filmstrip shows very interesting formations of the earth structure, and factors operating these changes. Visual Information Service.

399—Story of Exploration

This filmstrip has ancient maps and ideas of the world, and gives accounts of some explorers. Visual Information Service.

401—Monsoon Lands

This filmstrip shows foods, spice, textile and other products of these lands. Visual Information Service.

406—Homes of Many Lands

These are good pictures of the many different kinds of homes on each continent. Visual Information Service.

407—Empire Products (Food Stuffs: Vegetables)

Typical products of each country of the British Commonwealth are shown in these pictures. Visual Information Service.

408—Empire Products

This filmstrip shows cattle, sheep and dairy products of Canada, Australia, and New Zealand; and fish, spices and cocoanut from other parts of the Empire. Visual Information Service.

411—Great Inventors and Their Works

The story of the development of great inventions from the Stone Age to the present is shown in this film. Visual Information Service.

412—Fighting Infection and Safeguarding Health

This filmstrip gives the causes of various communicable diseases and advice for prevention and against spread of these diseases. Visual Information Service.

413—Healthful Living in Many Lands

This filmstrip shows "Keeping the Health Rules" around the World. Visual Information Service.

417—Social Life in the Middle Ages

This filmstrip gives examples of ancient castles and manor houses, the feudal system, the church, monastery schools, and towns of the Middle Ages.

421—Greek Games

This filmstrip gives a brief survey of the Greek games. University Museum, Philadelphia.

423—Development of Greek Vase Painting

Various types of Greek vase painting about the year 400 B.C. are shown in this film. University Museum, Philadelphia.

424—History of Coinage

This filmstrip presents views of the development of coinage by early peoples. University Museum, Philadelphia.

426—Babylonia in Time of Nebuchadnessar

This filmstrip presents views of the temples, houses, drains, costumes and cities of the period. University Museum, Philadelphia.

427—Pompeii

Architecture, theatres and places of interest in Pompeii are shown in this film. University Museum, Philadelphia.

428—Life in the Early Roman Empire

This filmstrip depicts life in the Early Roman Empire, showing views of the forum, altars, theatres, homes, etc. University Museum, Philadelphia.

429—Early Peoples of Italy

This filmstrip depicts the weapons, pottery, dwellings, products, tombs and chariots of the Etruscans. University Museum, Philadelphia.

441—Farm Water Supply

This filmstrip pictures methods of obtaining and the advantages of a supply of pure water. United States Department of Agriculture.

443—History of Development of Agricultural Instruments

The history and development of farm implements and machinery from ancient times to the present are traced in this filmstrip. United States Department of Agriculture.

453—Anatomy of the Honeybee

Detailed diagrams of the complete body structure of the bee are given in this filmstrip. United States Department of Agriculture.

458—The Housefly and Its Control

Breeding places of flies, and methods of control are shown in this filmstrip. United States Department of Agriculture.

461—Why People Work

This filmstrip pictures the answer to "what is success." Dewey and Dewey.

462—Farm Family Home Management

This filmstrip gives scenes of budget planning and home improvement. United States Department of Agriculture.

464—Fertilization of Flowers

This filmstrip pictures types of flowers, parts of flowers, the function of each in producing seed, and seed dispersal. Visual Information Service.

465—How Plants Feed

Roots and root systems, root hairs, osmosis and the manufacturing of food in the leaf are pictured in this filmstrip. Visual Information Service.

468—Biology (Introduction)

This filmstrip gives a clear exposé of the beginnings of life, amoeba, paramecium, hydra, egg cell. Visual Information Service.

469—The Soil

This set of pictures would be useful in Grade VIII General Science. Visual Information Service.

473—Oliver Twist

This filmstrip pictures incidents in the story of Oliver. The drawings are not good.

480—Hiawatha

This filmstrip has reasonably good drawings of scenes from *Hiawatha*. Visual Information Service.

483—The Beginnings (Roman Conquest)

This filmstrip shows scenes taken from texts bearing on the invasion of the Saxons, the Romans leaving, and Roman landmarks. Ryerson Films.

484—The Northmen (Chronological History)

The chronological history of the Northmen is given in this filmstrip. Ryerson Films.

485—The Northmen (Customs)

This filmstrip shows the habits and customs of the Northmen. Ryerson Films.

486—The Northmen (Homes and Clothing)

This filmstrip pictures the homes and clothing of the Northmen. Ryerson Films.

487—England Becomes a Nation Part 1

This filmstrip shows events in English history leading up to the defeat of the Armada. Ryerson Films.

488—England Becomes a Nation Part 2

Industry and travel of Early England are pictured in this filmstrip. Ryerson Films.

489—England Becomes a Nation Part 3

Homes and clothing in Early England are shown in this filmstrip. Ryerson Films.

494—Expansion of Britain (18th Century)

Steps in the Industrial Revolution during the Eighteenth Century in Britain are shown in this filmstrip. Ryerson Films.

495—Expansion of Britain (Homes and Clothing)

Homes and clothing during the Industrial Revolution in Britain are shown in this filmstrip. Ryerson Films.

496—Expansion of Britain (Industrial Age) Part 1

The chronological history of the Industrial Age in England from the Napoleonic Wars to the Revolution in transportation is shown in this filmstrip. Ryerson Films.

497—Expansion of Britain (Industrial Age) Part 2

This filmstrip pictures the life of the time of the Industrial Revolution, including transportation. Ryerson Films.

498—Expansion of Britain (Industrial Age) Part 3

This filmstrip includes pictures of the homes and clothing during the Industrial Age. Ryerson Films.

502—Fisheries of Canada

This filmstrip shows the procuring and processing of edible fish of both sea and fresh water varieties. It also shows the principal varieties, presented in order of their commercial importance. Ryerson Films.

504—Mining in Canada (Non-metallic)

This filmstrip has scenes and charts of mining in Canada: coal, petroleum, asbestos, salt, gypsum. Ryerson Films.

507—Canadian Birds (Three parts)

These are good pictures of well-known birds. Birds of prey, particularly owls, are well shown. The pictures of birds of lake and marsh are clear and satisfactory. Ryerson Films.

523—Edward Jenner

This filmstrip portrays the story of smallpox vaccination. Society for Visual Education.

524—Florence Nightingale

This depicts the story of Florence Nightingale and her Crimean ex-

periences. Metropolitan Life Insurance Company.

525—Edward Trudeau

This filmstrip tells the story of the fight by Trudeau against tuberculosis, and the discovery that rest and fresh air are most beneficial. Metropolitan Life Insurance Co.

526—Life of Louis Pasteur

This filmstrip shows how Pasteur's many discoveries made him a benefactor to all mankind. Metropolitan Life Insurance Co.

527—Walter Reed

The story of Reed's discovery that disease was carried by the mosquito is told in this picture. Metropolitan Life Insurance Co.

528—Robert Koch

Koch's work in bacteriology is pictured in this filmstrip. Metropolitan Life Insurance Co.

529—Madam Curie

The story of the discovery of radium is told by these pictures. Metropolitan Life Insurance Co.

561—Your Job

This filmstrip stresses the importance of preparing for a job by planning and organizing of courses. Society for Visual Education.

562—How to Apply for a Job

Valuable pictures are included in this filmstrip showing steps in applying for a job and the qualities needed to hold a job. Society for Visual Education.

564—Atlantic Coastal Plain of United States

This filmstrip shows the natural settings of the Atlantic Coast. Picturol.

565—Atlantic Coastal Plain (Man's Adjustment to the Country) (United States)

This filmstrip shows the mode of life of the people, their industries, buildings and transportation. Picturol.

566—Midwest Plain, United States

This filmstrip pictures the topography and agriculture of the Midwest Plains. Picturol.

567—Midwest Plain, United States

This filmstrip shows the cities, industries and homes of the people. Picturol.

568—Pacific Slope, Natural Settings

The landscape and agriculture of the Pacific Slope are pictured in this filmstrip. Picturol.

569—Pacific Slope, Man's Adjustment to the Country

This filmstrip portrays the industries and cities of the Pacific Coast. Picturol.

570—Alaska

Scenes of modern life in Alaska are included in this filmstrip.

571—Panama Canal Zone

The canal and its people are pictured in this group. Picturol.

573—Outlying Possessions of the United States

Included in this group of pictures are Puerto Rico, the country and its people and its industries. Picturol.

574—Rotation, Revolution (Part 1 and 2)

This is a satisfactory group of pictures as a diagram study.

581—Visit to the Polar Eskimos

This filmstrip presents pictures of Eskimos and some of their activities. Society for Visual Education.

582—Hunting with the Polar Eskimos

These are good hunting pictures of Smith Sound Eskimos. Society for Visual Education.

584—Finland

This filmstrip shows the scenic beauty, towns and industries of Finland. Picturol.

589—Modern Palestine (Rural)

This filmstrip shows activities outside the larger centres. Picturol.

590—Modern Palestine (Urban)

Urban activities of new Palestine are shown in this group of pictures. Picturol.

591—Early Civilization of Crete

Explanations accompany the views of the Early Civilization of Crete. University Museum.

595—Geographical Terms, Etc.

These are good diagrams to teach Social Living of Division 2.

599—The Fly as a Disease Carrier

This filmstrip pictures the life history of the fly, how it spreads disease and its control.

600—How's Your Eyesight?

This filmstrip deals with structure of the eye, vision defects and their correction, eye muscles, and the functions of different parts of the eye. Eye Gate House Inc.

601—Chance of a Lifetime

These are good pictures illustrating traffic laws. Jam-Handy Service.

605—Dickens (Famous characters)

These pictures would be useful to summarize the most famous of Dickens' characters. Eye Gate House.

613—The Three Bears

This is a new version of The Three Bears. Scrapefoot, the Fox, does what Goldilocks did in the traditional story. Society for Visual Education.

614—Little Black Sambo

These are most attractive pictures, with a strong appeal for primary children. Picturol.

616—Tom Thumb

These are attractive coloured pictures of this fairy tale. Picturol.

617—Adventures of a Brownie

These are clear cut pictures in black and white from this popular story. Some of the most important episodes are depicted. Society for Visual Education.

621—Water

This picture gives some of the properties of and the composition of water. Zwart.

622—Air

Some properties of and experiments with air are shown in this picture. Zwart.

623—Levers

These pictures set forth the mechanics of the three classes of levers and give examples of each. Zwart.

624—Inclined Planes

This picture shows the uses of inclined planes, screw, wedge, and mechanical advantage. Zwart.

625—Pulleys, Wheel and Axle

This picture shows the action of various types of pulley and wheel and axle applications. Zwart.

626—Energy

Diagrams and explanations concerning energy are given in a simple manner in this filmstrip. Zwart.

627—Heat

Heat, its production and application and fire protection are shown in this filmstrip. Zwart.

628—Sound

This filmstrip pictures elementary experiments in the theory of Sound. Zwart.

629—Light

Light and its sources, reflection and refraction and the defects of vision are pictured in this filmstrip. Zwart.

630—Magnetism

This filmstrip shows first experiments in Magnetism. Zwart.

631—Electricity

This filmstrip shows elements of current electricity. Zwart.

633—Mechanics(Physics)

There is depicted in this filmstrip the properties of matter, hydraulic lift, Pascal's Law, Boyle's Law, Archimedes' principle, barometer, pumps, composition of force, acceleration, Newton's Laws, principle of moments, levers, pulleys, friction, energy, gravitation.

635—Heat (Physics)

Expansion, temperature scales, thermometer, conduction, convection, change of state, refrigeration are all depicted in this filmstrip.

636—Sound (Physics)

Sound waves, resonance, interference, vocal chords, musical instruments are pictured in this filmstrip. Zwart.

637—Light (Physics)

Light waves, reflection, refraction, visibility, colour theory, the human eye, are all shown in this group of pictures. Zwart.

638—Magnetism (Physics)

Theory of magnetism, lines of force, earth as a magnet, compass, dipping needle, magnetic loop, right hand rule, electromagnets, motors, are all shown in this filmstrip. Zwart.

639—Electricity (Physics)

This filmstrip explains electrification, static electricity, electroscope, condenser, polarization, cells, galvanometer, Ohm's Law, parallel and series circuits, heat effects, electromagnetism, generator, induction coil, transformer. Zwart.

641—Chemistry

This filmstrip pictures physical and chemical changes, oxidation, combustion and allotropism. Zwart.

642—Chemistry

This filmstrip pictures electrolysis, reduction, synthesis, distillation, crystallization, law of multiple proportion, Avagadro's hypothesis. Zwart.

643—Chemistry

Metals, sodium, sodium compounds, Castner cell, bases, non-metals, chlorine, bleaching, flame tests, halogens, photography, are all shown in this group of pictures. Zwart.

645—Chemistry

Ionization, electrolytes, and non-electrolytes, atom and ion, neutralization, types of reactions, salts, nitrogen and its compounds, are shown in these pictures. Zwart.

646—Chemistry

Carbon and its compounds, calcium and its compounds, glass, mortar, hard water, gaseous and liquid fuels are depicted in this group of pictures. Zwart.

647—Chemistry

This group of pictures portrays metallurgy—alloys; organic chemistry—hydrocarbons, carbohydrates, acids. Zwart.

648—Chemistry

This filmstrip shows Dalton's atomic theory, Bohr conception of atom, atomic structure of first twenty elements, reactions in terms of electrons. Zwart.

680—Holland

This is an interesting film of pre-war Holland. It includes dikes, farm work, costumes, homes and important waterways. Picturol.

682—Gulliver's Travels

These are clear pictures of Gulliver and his travels, taken from the Paramount version. There are no titles given. Pictorial Events.

684—The Adventures of Tom Sawyer

Important episodes in the story of Tom Sawyer are shown in this group of pictures. Pictorial Events.

705—Alcohol Problems

(In three parts)

This filmstrip gives a comprehensive survey of problems connected with aspects, effects and problems of control of alcohol. Society for Visual Education.

709—History of American People

This film gives the reasons for the exploration of North America and pictures the explorers in chronological order. Picturol.

714—Mechanical and Industrial Progress (American History)

This filmstrip shows the improvement in transportation from the horse-drawn vehicle to the modern aeroplane and industrial progress to recent times. Picturol.

715—A Tower of Strength

This film presents an interesting study of the human body, its needs and its care. Stress is placed on temperance. Jam Handy.

716—How Bacteria Cause Disease

This film shows bacteria as parasitic plants, different kinds of bacteria and the effects of bacteria on man. Bray.

719—How We Hear

This film pictures the ear as a receiver, parts of the ear, and the process of hearing. Bray.

722—Bones and Muscle

This filmstrip shows the skeleton, joints, fractures and the muscles. Spencer Lens.

723—Blood and Its Circulation

This filmstrip pictures the heart, the blood vessels, first aid, and the blood. Spencer Lens.

724—Respiration, Skin, Kidneys

This filmstrip shows the lungs, artificial respiration the skin, and the kidneys. Spencer Lens.

725—Foods and Digestion

The alimentary canal, the stomach, types of foods, and the teeth are shown in this group of pictures. Spencer Lens.

726—Nervous System, Eye, Ear, Tongue

This film pictures the nerves to the spinal cord, to brain; the sensory and motor cells; correlation cells, synapse.

729—Methods of Communication (Mail)

These pictures trace the history of communication by mail from Greek runners to air mail services in United States. Picturol.

732—Telephone Outside

The use of and improvements in the telephone up to recent times are pictured in this filmstrip. Picturol.

742—Reclamation—A Vital Industry

This filmstrip shows how irrigation has changed dry lands to prosperous communities. Picturol.

743—Maritime Provinces

These pictures include representative scenes and activities in the Maritime Provinces, scenes of fishing, lumbering, fruit raising and fox farming, the tidal bore of Moncton, the Reversing Falls at St. John, etc. Picturol.

744—Quebec Countryside

This picture shows the landscape and buildings of importance also some industries of the Province of Quebec.

745—Ontario

This picture presents views of the landscape and of some well-known buildings of Ontario.

746—Manitoba and Saskatchewan

A few glimpses of the cities and towns of the Prairies are given in this filmstrip.

747—Alberta

The lake and mountain scenery of Banff and Jasper are pictured in this filmstrip. It is an old film.

749—British Columbia

This filmstrip gives a few glimpses of British Columbia.

750—Aluminum

This filmstrip shows the development of the production and manufacture of aluminum. Picturol.

751—Copper and Its Uses

The properties of copper and some of its uses are pictured in this filmstrip. Picturol.

752—Gold and Silver

This picture shows the mining and manufacture of gold and silver. Picturol.

753—Iron and Steel

This film shows the mining of iron ore and the manufacture of iron and steel products. Picturol.

754—Coal Mining

The story of the production of coal is depicted in this filmstrip. Picturol.

756—Story of Rayon

This filmstrip depicts the story of the process of making and of spinning rayon. Picturol.

768—Water Pictures

This filmstrip includes pictures formed by reflection in still water. Picturol.

769—India, Temples and Architecture

This film includes pictures of famous Indian temples, and some views of India. Picturol.

785—Little Black Bear

Little Black Bear meets some of his friends, the hens, ducks, horses. Society for Visual Education.

788—Bingo, the Dog

This is a good filmstrip to accompany Primary Reading. It is clear and readable. American Film Service.

789—Wynken, Blynken and Nod

This is a good illustration of Eugene Field's poem. Picturol.

791—Puff and Bluff, the Rabbit Twins

A charming picture of Puff, who thought painting Easter eggs was silly.

797—Bees and Blossoms

This filmstrip demonstrates clearly the work of the bee and how honey is made. Picturol.

798—The Canada Goose

This is a clear picture of the life of a Canada Goose. This picture is worthwhile. Society for Visual Education.

799—Pioneer Homes and Schools

This picture would be very helpful in the Integrated Programme for Grades V and VI. A good guide accompanies this film. Ryerson Films

806—Insect Enemies of the Flower Garden

This filmstrip pictures the structure of an insect body and shows the life cycle of insects and various types of insects—biting, sucking and boring, and the damage done by each. Filmstrip Service.

816—Breeds of Sheep

This picture shows different types of sheep and common breeds of each type. Filmstrip Service.

823—Standard Breeds of Poultry

This filmstrip shows different types of poultry and various common breeds of each type. Filmstrip Service.

828—Breeds of Swine

All common breeds of lard and bacon hog; and their distinguishing features are shown in this film. Filmstrip Service.

838—Propagation of Trees and Shrubs

This filmstrip shows the propagation by layers, by cuttings, by

grafting and by budding. Filmstrip Service.

843—Peoples of India

This filmstrip shows the natives of India, their homes, customs and industries. Picturol.

844—Italy Today

Pictures of famous buildings in modern Italy are included in this filmstrip. Picturol.

845—Australia, Industrial and Agricultural

Pictures of the cities, of industries and of agriculture in Australia are included in this group. Picturol.

846—New Zealand

The cities, landscape and industries of modern New Zealand are shown in this filmstrip. Picturol.

847—Africa, Central and Southern

This filmstrip includes scenes of life among the natives and some scenic views of Africa. Picturol.

848—Bolivia

View of cities and of life in Bolivia are shown in this group of pictures. Picturol.

849—New England

The story of agriculture, of the industries and views of buildings of New England are included in this filmstrip. Picturol.

851—Cities of Quebec

This group of pictures shows views of the cities, bridges and glimpses of the daily life of the people of Quebec. Picturol.

852—Behind the Sugar Bowl

The story of the growing of cane and the manufacture of sugar is pictured in this filmstrip. Picturol.

854—The Story of Figures

The development of numbers in various countries is shown in this filmstrip. The University Filmstrip Service.

855—The History of the Measurement of Length

This filmstrip shows the development of the unit of length. University Filmstrip Service.

858—How Insects Get Food

The adaptations of biting and sucking insects to obtain food is pictured in this filmstrip. Picturol.

860—Beaks and Feet of Birds

The adaptations for protection and for securing food are shown in this filmstrip. San Jose State College.

862—Home Safety

This filmstrip pictures methods of preventing accidents in the home. National Safety Council.

863—Film Aid to First Aid: Bandaging

This filmstrip gives illustrations of various types of bandages. Picturol.

864—Dollars and Sense

Good living habits for a happy and successful life are portrayed in this filmstrip. W.C.T.U.

865—Co-operative Living "The Home"

This filmstrip gives scenes of children sharing in home duties. Long.

866—Greta of Sweden

The homes and costumes of the people of Sweden are shown in this filmstrip. Picturol.

867—Einar of Iceland

Einar's home, school, sports, and costumes are shown in this filmstrip.

883—Panic

This is a sequence of scenes showing the effects of hysteria and panic. Coronet.

885—Children of Many Lands

These are interesting pictures with clear cut titles. Society for Visual Education.

888—Dwellers in the Desert

These are clear cut pictures of dwellers in some of the different deserts of the world. Society for Visual Education.

890—Farming in the Far North

Farming and co-operative industry in Finland are shown in this film. Visual Information Service.

891—Russia, (Physical)

This filmstrip shows the physical features of Russia, oil derricks, natural divisions, forests, and collective farms.

899—Stones of Ancient Egypt

This series of pictures shows some interesting historical relics of Egypt, the pyramids and sphinx. Visual Information Service.

900—Byzantine and Saracenic Architecture

This filmstrip is part of the History of Architecture series and shows Byzantine and Saracenic architecture. Visual Information Service.

901—Around the National Gallery in London

This filmstrip shows famous paintings of the various schools of art that appear in the National Gallery in London.

902—Coal Mining

This set gives an excellent account of the methods used in coal mining. Visual Information Service.

905—The Night Sky

The filmstrip shows the moon, earth, planets, stars and constellations. Visual Information Service.

906—Rocks

This filmstrip presents a good study of the types of rocks with geographic location. Visual Information Service.

LANTERN SLIDES

$3\frac{1}{4} \times 3\frac{1}{4}$ and $3\frac{1}{4} \times 4$

These Slides require a Standard Lantern.

Lantern Slides will be added to the Library of Audio-Visual Aids of the Department of Education later.

All of the Lantern Slides listed below are in the Library of the Department of Extension, University of Alberta, and are obtainable upon application to the Supervisor, Division of Visual Instruction, Department of Extension, University of Alberta, at the usual rental rates. See page 2.

In addition to the service fee, express charges both ways must be met by the user and any damage to slides made good.

Application should be made by letter, giving full particulars as to dates and shipping instructions. Several sets should be requested in order of choice, so that the first available may be sent. No more than two sets will be sent to any one applicant at the same time, except under special circumstances. The time limit for return is two weeks, but an extension of time may be granted on application.

Slides are carefully packed in special shipping boxes, and upon being unpacked at destination should be examined for shortage or breakage, which, if found, should be immediately reported to the express company and to the Department of Extension, University of Alberta. When returning the slides, they should be checked over, counted and carefully packed, the cardboard separators being replaced between each slide in order to minimize the risk of breakage. The lecture reading should be returned at the same time, either with the slides or under separate cover. In returning slides, express charges must be prepaid if there is an agent. Patrons are advised to retain the receipt as disputes sometimes arise.

Slides and lecture reading should be returned to the Department of Extension as soon as possible after the last time of use, or in time to reach the Department by the date stipulated. The slides are in demand, and delay in their return may mean disappointment for some other school.

Information requested on the report card enclosed with the slides should be given in the space provided for that purpose. It is particularly desired to know where the slides were used, and the size of the audience at each place. Be sure to return the report card with the slides.

Slides must not be passed on to another person or organization without direct authority from the Department of Extension.

Suggestions for the improvement of the service will always be welcomed, as well as any information amending or adding to the lecture reading. Slides must not be tampered with; repairs to broken slides, if possible, will be made at the Department on return. On no account must the lecture reading be marked or defaced in any way.

Slides should not be put into a hot lantern when cold, or exposed for long to great heat, as they are easily cracked. The use of slides loaned by the Department of Extension in projectors fitted with arc lamps or Mazda lamps of over 600 watts is prohibited. Some of the slides are quite valuable, and it is expected that every care will be taken in their use.

Slides are usually supplied in sets, but special collections may be made up on application.

Sets of slides are accompanied by a lecture or reading, except where marked thus (*).

LANTERN SLIDES

<i>Title of Slides</i>	<i>Lib. No.</i>	<i>Approx. No. of Slides</i>	<i>Page in Manual</i>
Across Canada by C.P.R.			
Part I—Halifax to Alberta.....	4	83	148
Part II—Rockies and B.C.....	5	86	148
After the Last West, What?.....	7	43	148
Aladdin and the Wonderful Lamp.....	369	8	157
Alice in Wonderland.....	9	37	149
Alice in Wonderland (No. 2).....	9	37	149
Alice Through the Looking-glass.....	10	50	149
American Art (Carnegie Foundation Set).....	463	50	158
*Anatomy, Elementary.....	109	43	152
Ancient Mariner.....	12	39	149
Androcles and the Lion.....	376	6	157
Animal Tales.....	K33	25	150
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CLASSIFICATION OF LANTERN SLIDES

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Subject and Grade

This Subject Classification, including Optimum Grade Placements and Grade Spreads, is based upon the Programme of Studies for Alberta schools. The Optimum Placements and Grade Spreads are suggestive only. Teachers may differ with the evaluation and find many uses for the slides other than those specified. The Audio-Visual Aids Branch will welcome suggestions on the Evaluation Report, Form AV-14. Some sets of slides have been given a Grade Spread only. For sets listed under two or more subjects, the Optimum Placement appears in one list only, i.e. in the classification where the set is considered of greatest value.

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Iron and Steel in Canada.....	IX	VI-IX	188
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Japan.....	VII	IV-IX	192
Japan and the Japanese.....	VII	IV-IX	193
Japan: Mount Fuji and Home and School Scenes.....	VIII	VI-IX	461
Tokyo to Hokkaido.....	IV	IV-VII	460
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Life in Kwangsi Province, South China.....	VII	IV-VII	82
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Mediterranean Lands.....	VII, VIII	VI-IX	K-3
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Modern Architecture.....	XI	X-XI	222
My Trip to the Land of the Midnight Sun.....	VI	VI-VIII	238
Nansen's Polar Expedition.....	VI	IV-VI	239
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Our Indian Empire.....	VIII	IV-VIII	255
Palestine.....	X	X-XI	256
Panama Canal, The.....	VIII	VI-IX	257
Pompeii, Past and Present.....	VIII	VI-IX	279
Prehistoric Man, in Britain and Europe.....	X	X	282
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Public Helpers—The Policeman, the Fireman, and the Postman.....	III	II-IV	K-37
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1. Ruins and Excavations of Ancient Rome			
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Story of Cotton, The.....	IX	VII-IX	317
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Boats.....	IV	III-VI	K 39
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2" x 2" Lantern Slides

Early Civilization.....	VIII	VI-IX	4
Indian Life.....	V	III-VI	7
Knighthood.....	VIII	VI-IX	5
Pioneer Days.....	V	V-VI	6
A Voyage to the Arctic.....	V	III-VI	2

MISCELLANEOUS

The sets of slides in this list have little instructional value in the classroom. They may, however, be found useful for other purposes

Bridges, Ancient and Modern.....	VI-X	60
English Lake District.....	VII-XII	110
Lakes of Killarney.....	IV-XII	203

2" x 2" Lantern Slides

The Jasper-Banff Highway.....	VII	V-XII	3
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DESCRIPTION OF LANTERN SLIDES

$3\frac{1}{4}$ x $3\frac{1}{4}$ and $3\frac{1}{4}$ x 4

A-1—Primitive Painting and Sculpture

This set pictures primitive relics recovered from caves.

A-2—Applied Arts of Primitive Tribes

This set is a study of the work of primitive people, their tools, weapons and dress.

A-3—Primitive Peoples—North American Indians

This set reviews the homes, customs, dress and tools of the Indians as an introduction to their contribution to our art.

K-3—Mediterranean Lands

Points of interest and the daily life of people of Italy are shown in this set. Keystone.

4—Across Canada by C.P.R. Part 1

These pictures show well-known buildings and industries from Halifax to Alberta.

A-4—Primitive Peoples

These slides show Indian Arts and Crafts of Central and South America.

K-4—Switzerland

These slides show the beauty of Swiss scenery as well as the industries of the people. Keystone.

5—Across Canada by C.P.R. Part 2

These slides show scenes and buildings on the West Coast.

A-5—Mesopotamian Arts and Crafts

These slides show Arts and Crafts of Babylonian, Assyrian and Persian periods.

K-5—Down the Rhine to the Netherlands

Views along the valley of the Rhine are shown in this set. Keystone.

A-6—Early Egyptian Arts and Crafts

These slides show the skill of the Egyptians in murals, pottery and carving. University of Alberta.

K-6—Norway

The Industries, and land and sea products of Norway are shown in these slides. Keystone.

7—After the Last West, What?

This set deals with natural resources and their conservation.

A-7—Early Aegean Arts and Crafts

Pottery and gold work and geometric design in the Hellenic age are shown in this set. University of Alberta.

K-7—Arctic Land and Farthest North

This set pictures Eskimo life and birds and animals of the North and includes some pictures of Peary's expedition. Keystone.

A-8—Greek Crafts

This set shows Greek crafts as applied to dress, sculpture, and architecture. University of Alberta.

K-8—Australia and Antarctica

This set has interesting pictures of Australia and Byrd's expedition. Keystone.

9—Alice in Wonderland

This is a set of clearly coloured pictures of this very interesting tale. University of Alberta.

A-9—Hellenistic and Roman Arts and Crafts

This set includes pictures of Greek sculpture and Roman architecture. University of Alberta.

9—Alice in Wonderland

This appealing story is illustrated charmingly by these coloured slides. Wherever the story is used, the slides should be used, too. University of Alberta.

K-9—A World View

This set shows interesting views around the world. Keystone.

A-10—Byzantine Mosaics

This set shows Mosaic as represented in the Byzantine period. University of Alberta.

10—Alice Through the Looking Glass

This is an excellent set. Understanding and appreciation of this story would be greatly increased by the slides. Ludgate Company.

A-11—Mediaeval Arts and Crafts

Mediaeval Arts and Crafts as represented in their Mosaics, windows and armour.

12—Ancient Mariner

This excellent, artistic set of slides contributes much to the appreciation and understanding of this poem. Victor Animatograph.

A-13—Renaissance Sculpture

This set shows the sculpture of the period.

15—An Hour in Shakespeare's Country

These slides picture the country in which Shakespeare lived.

16—Mammals of Alberta

This set is a picturization of mammals in Alberta, ranging in weight from the ounce mouse to the buffalo of almost a ton. University of Alberta.

18—Animals, Birds and Butterflies

This set would appeal to nature loving juniors. Underwood and Underwood.

19—Around the World in Eighty Minutes

This set pictures important cities and places throughout the world.

A-21—Period Furniture

Gothic, Tudor, and Cromwellian, and furniture down to the present day are pictured in this set. University of Alberta.

K-26—The British Isles

In this set are shown industrial pictures of the Isles with some famous buildings. Keystone.

K-27—Italy

The industries, shipping and famous buildings of Italy are shown in this set. Keystone.

K-29—France

Agriculture, homes, shipping and views of cities of France are included in this set. Keystone.

K-30—Netherlands, Belgium and Denmark

This set pictures the cities, industries and schools in pre-war days in the low countries. Keystone.

K-31—Scandinavia

Pre-war views of the cities, of agriculture and other industries of Norway and Sweden are shown in this set. Keystone.

K-32—Finland and the Baltic States

Agriculture and other industries of Finland and the Baltic States as well as some statistics are shown in this set. Keystone.

K-33—Animal Tales

This set presents excellent animal pictures to supplement the experiences of primary children, and to give a vocabulary and informational background. Keystone.

K-34—Primitive Indians

This is an excellent set, depicting Indian types and modes of living that are familiar to the Alberta situation. Excellent activity suggestions are given in the guide. Keystone.

K-35—The Family—At Work and Play

This is an excellent set for use in the Integrated Programme. It shows charming home settings and various father occupations. Children co-operating in helping parents in the home is a strong feature of this set. Keystone.

K-36—Homes (The Need for and How Provided)

These slides are excellent, showing the types of homes in this country, and the helpers who make these homes engaged in their various tasks. The concluding slides show different homes around the world. Keystone.

K-37—Public Helpers

This excellent set of slides shows the various activities of the Fireman and the Policeman and all the Helpers who look after a letter from the time it is posted to its delivery at destination. Keystone.

K-38—Community Helpers

This is an excellent set of slides to be used in Community Living enterprises. Keystone.

K-39—Transportation (Boats)

The set pictures boats around the world from the straw boats of Lake Titicaca, and the bullock-skin boats in India to the motor boat races in Florida. Keystone.

K-40—Transportation (Roads)

These slides show good photography, and depict the development of Roads from jungle trails to the modern concrete highway. Keystone View Co.

K-41—Transportation (Aeroplanes)

This set shows the development of aeroplanes from moth type to modern dirigible. The guide is excellent. Keystone.

K-42—Transportation (Vehicles)

This set shows the development of land vehicles through the ages, starting with the Ptolemy Oxcart 225 B.C. and concluding with a scene from modern Fifth Avenue, New York. Keystone.

K-43—Transportation (Ships)

These slides show replicas of such early ships as the Viking Ship, and the Santa Maria. Also shown are all types of modern ships from barges to battleships. Keystone.

K-45—Safety on the Highway

This set of Safety Slides is adult in its emphasis, though sections could be used in schools. Keystone.

K-44—Safety in the Home

K-46—Safety and Health in Sports and Recreation

These sets include very comprehensive pictures showing the risks and bad results of carelessness. Keystone.

47—Beautiful Wye Valley of Wales

These coloured pictures of this beautiful valley are well worth seeing.

K-47—Children of Many Lands

This is an interesting set of slides showing very many types of children engaged in activities of childhood. Keystone.

49—Ben Hur

These slides show scenes from the story of *Ben Hur*. University of Alberta.

50—British History

This series of slides deals with important events in British History from Prehistoric times to the Great War of 1914-18. The notes accompanying each slide give good explanations. University of Alberta.

54—Bird Life on Antarctic Island

This is an excellent set of coloured slides. The birds shown are most interesting and unusual. This set could be used for comparison as well as for extending information. American Museum of Natural History.

55—Birds of Alberta

This is an excellent set in colour, showing sixty-five of the important birds of Alberta. University of Alberta.

56—Blob, the Spider, and Rosy Wing

This set depicts an interesting story with a fairy as the heroine, spider, the villain, and woodpecker, the hero. Ludgate.

57—Blue Bird

This is a most artistic set of slides that sustain the mystical atmosphere of the story. Department of Extension, University of Alberta.

60—Bridges, Ancient and Modern

These slides are fine pictures in colour of the bridges of the world.

72—Canadian History, 1790-1838

This outline of Canadian History covers the specified period.

74—Canadian History, 1883-1914

These slides show events in Canadian History from 1883-1914, such as the Riel Rebellion, and famous characters in history.

75—Development of British Columbia, 1578-1886

These pictures show explorations in British Columbia during the above period.

81—China—Land of Pagodas and Temples

This set shows pictures of the people and buildings of old China.

82—Life in Kwangsi Province, South China

This set depicts Chinese life in South China, and some of the work carried on by Christian missionaries in Kwangsi. University of Alberta.

83—Christianity and Social Progress

These slides trace Christianity and social progress from the days of the early Romans to 1841. University of Alberta.

84—Christopher Columbus

This set of slides shows the life and discoveries of Columbus.

85—Cinderella

This is a good set of pictures of this story. Owing to the limited number of slides, they can be used to illustrate main points only. Ludgate Company.

86—Cities and Canals of Holland

These coloured views of Holland show the net-work of canals, and sights in the principal cities.

87—Colours of Birds and Animals

Protective colouration of many birds, animals and insects is shown in these very beautiful slides. E.O.M. Co.

89—Columbia Ice Fields and Jasper-Banff Highway

These slides are scenic pictures of the Banff-Jasper Highway.

91—One Thousand Miles up the Congo

These are excellent slides showing a wide variety of tools, houses, materials and modes of living in this part of Africa. Ludgate.

97—David Livingstone

This is a complete story of the great achievements of David Livingstone—a thrilling story.

100—Dickens' Christmas Carol

These excellent slides, with attractive colouring, show the interesting scenes of this story. This set presents an excellent version of the story. Ludgate.

103—Dinosaurs of Alberta

This comprehensive set is valuable to illustrate the "Lizards of Alberta" Grade VI, and General Science of the Intermediate Grades. University of Alberta.

106—Early Printing and Printers

This set pictures early printing in Babylon, China and Asia, the invention of movable type, the life of Gutenberg, the spread of printing, and Caxton.

107—Egypt

Part 1—Pyramids and Early Architecture

Part 2—The Great Temples

These slides picture the famous monuments of Egypt including Luxor, Karnak, and Thebes.

109—Elementary Anatomy

These slides show diagrams that would be helpful in the teaching of anatomy.

110—English Lake District

This set pictures a trip through the English Lake District and includes views of Keswick, Grasmere, and Farness Abbey.

111—English Lake Land

This set also pictures the beautiful lake district of England.

112—English River Scenery

These coloured slides illustrate the varied beauties of England along its rivers' banks. Butcher.

113—Enoch Arden

This set shows scenes from the story of *Enoch Arden*. University of Alberta.

115—Evolution (Nebula to Man)

This set shows the erosion of soil, and portrays the story of evolution from nebula to man.

128—Frog Prince

This is a good set of pictures of this well known fairy tale. Victor Animatograph.

129—Gabriel Grubb and the Goblins

This is an excellent set of slides of an interesting Christmas story, with emphasis on the Christmas spirit.

131—Gems from the Galleries

These are famous pictures of famous artists, old and modern.

133—Glass and Glass Making

The story of glass making is depicted in this set of slides.

136—Good King Wenceslas

This is an excellent set of coloured slides, giving an excellent interpretation of this well known Christmas song.

140—Gothic Architecture in England

This set pictures gems of Gothic buildings in England.

141—Grand Canyon of the Colorado River

This set presents very fine scenes along the Colorado river.

142—Gray's Elegy

These slides show scenes based on the poem Gray's *Elegy*. University of Alberta.

146—Hamlet

This set shows scenes from the play *Hamlet*. University of Alberta.

147—Hansel and Gretel

These are clear, colourful slides of outstanding episodes in the story of *Hansel and Gretel*.

148—Happy Jack

Happy Jack is one of the many "silly" stories. Jack's progress backward from the possession of a bag of gold to the loss of his last "trade", a grindstone, in a well, is faithfully followed in the pictures.

150—Grenfell, the Hero of Labor-dor

These are good pictures to supplement Grades V and VI Literature. Interesting scenes of Labor-dor life are shown. University of Alberta.

151—Hiawatha

The story is well illustrated by interesting and well-made pictures.

158—History of the Church of England

These slides picture the history of the Church of England:

- (a) From the early days to the Reformation.
- (b) The story of the Reformation.
- (c) The Reformation to the present day.

169—House that Jack Built

This set of slides would give a meaningful background to the reading vocabulary and would delight primary children. Ludgate.

176—Story of Ice Age

These slides depict the extent and action of ice in the glacial periods.

177—Iliad of Homer

These slides show scenes from Homer's *Iliad*. University of Alberta.

179—India—Its Peoples and Problems

This set of coloured slides is very comprehensive. It shows Indian rites, and the homes, country life and activities of the people of India.

180—India—Its Towers, Temples and Turrets

These slides are well coloured and present an authentic and comprehensive picturization of the India the tourist sees. Ludgate.

181—Jasper Park and the New Highway

These slides picture the beauties and the outstanding sights along the Jasper Highway.

184—In the Heart of the Canadian Rockies

This is a picturization of the scenic beauty of the Canadian Rocky Mountains.

188—Iron and Steel in Canada

This set of slides depicts the story of the manufacture of steel in Canada. University of Alberta.

192—Japan

This set pictures the temples, the growing of rice and the silk industry of Japan.

193—Japan and Japanese

This set pictures the characteristic costumes, outstanding buildings and the agricultural industries of Japan.

195—Jerusalem re-visited

These coloured slides show the historical places in Jerusalem. University of Alberta.

203—Lakes of Killarney

This set is a picturization of scenes taken on a tour of the well-known Lakes of Killarney. This set is coloured. Butcher.

214—Little Snow White

A fairly good story is told with these slides. Some of the interesting episodes are included. Victor Animatograph.

215—Little Thorn Rose (Sleeping Beauty)

This set of coloured slides supplements the story very nicely.

216—London

These slides show places of interest in London.

219—Macbeth

This set pictures scenes from the play *Macbeth*. University of Alberta.

220—The Madonna in Art

This set presents some of the most outstanding Madonna paintings.

222—Modern Architecture

This set contrasts the old with the new architecture.

225—Martin Luther

This set presents a coloured picturization of the entire life of Martin Luther.

229—Mediterranean Shores

This set pictures the buildings and the peoples of Mediterranean countries.

235—Midsummer Night's Dream

This set of slides portrays the characters of the play, in colour. It is useful for costume details. Ludgate.

238—My Trip to the Land of the Midnight Sun

This set presents scenes along the Athabasca and MacKenzie Rivers.

239—Nansen's Polar Expedition

This set portrays Nansen's experiences in the Arctic from 1894 to 1896.

240—Nature Through the Microscope

This set presents a very detailed microscopic study of best known and most striking specimens of the insect and plant world. Optical Lantern.

244—One Thousand Miles up the Nile

These are very good coloured slides of the temples and other structural monuments along the Nile.

245—Old Curiosity Shop

These are beautifully coloured slides that make the details of this story very attractive. Ludgate.

248—Old Prickles, the Dwarf

These are good slides in colour following an interesting story of *Prickles and Gobble*. Ludgate Co.

251—The Story of the Other Wise Man

This set has good coloured pictures illustrating the story in the authorized reading, Group III. University of Alberta.

255—Our Indian Empire

Important cities and places in India are shown in this set.

256—Palestine

These slides show scenes of historical importance in Palestine. University of Alberta.

257—The Panama Canal

The construction of the canal, and the difficulties encountered are pictured in this set. University of Alberta.

267—Peter Pan

This excellent set of slides will add very greatly to the enjoyment and appreciation of this delightful story, *Peter Pan*. University of Alberta.

268—Physical Geography

These pictures show various interesting formations: stalactites, volcanoes, geysers.

279—Pompeii, Past and Present

These coloured pictures give a full survey of the situation.

282—Prehistoric Man in Britain and Europe

The mode of life of prehistoric man is shown in this set of slides.

283—Puss in Boots

This is an attractive set of slides. It has very good story continuity. Victor Animatograph Co.

287—Red Riding Hood

These are attractively coloured slides. The very blood-thirsty wolf meets the traditional end in this version of the story. Victor Animatograph.

289—Robinson Crusoe

These excellent coloured slides develop the story of Robinson Crusoe from the time he left home until he leaves the island.

290—The Romance of Commerce

These slides trace the development of commerce from Ancient Egypt to the formation of Raleigh's Virginia Company.

291—Roman Life and History

These slides show ruins and excavations of Ancient Rome, and a day with the Romans, picturing implements, weapons, etc. University of Alberta.

292—Romeo and Juliet

Scenes from *Romeo and Juliet* are presented in this set of slides.

293—Round an Old English Parish Church

These slides show an old English Church in detail and historical landmarks. University of Alberta.

295—Rubber

In these slides, the story of rubber is sketched from the time the tree is tapped to the manufacture of rubber tires, rubber shoes and fire hose. Victor Animatograph.

299—Scenes in Many Lands

This set includes pictures of buildings, streets and cities of interest in all parts of the world, also other interesting sights.

300—Scotland in Song and Story

These coloured slides show the charms of Scotland associated with stories and songs.

301—Lochs of Scotland

This set pictures the beauties of the Scottish Lake district, associated with many of Scott's works. University of Alberta.

303—Silk

This is a good set of slides telling the story of silk from the cocoon to the dyeing and weaving of the silk cloth. Victor Animatograph.

305—Sir Walter Raleigh

This set shows places of interest in the lives of Sir Walter Raleigh, Sir Francis Drake and Sir Humphrey Gilbert.

306—Sir Walter Scott

These slides deal with Scott's surroundings during his lifetime which influenced many of his writings. University of Alberta.

308—The Sleeping Beauty

These slides are done in silhouette and follow the main thread of the story. University of Alberta.

309—The Snow Queen

Most of the pictures in this set are in black and white. The story is well followed. University of Alberta.

312—Some of My Mascots

These slides hold unlimited interest for juniors. They are coloured. American Museum of Natural History.

314—Discovery of South Pole

Amundsen's expedition to the South Pole is pictured in this set.

316—Robert Louis Stevenson

These slides illustrate well the background of this author's life and work. The pictures of Samoa are very interesting.

317—The Story of Cotton

The centres of growth of cotton and its manufacture are pictured in this set. Victor.

328—A Tale of Two Cities

This set shows scenes from Dickens' *Tale of Two Cities*.

329—Through the Bernese Oberland

This set portrays a tour through the mountains and lakes of Switzerland. Butcher.

330—Tuberculosis

This set portrays correct living and methods of prevention.

335—Vancouver Island

This is a set of scenic slides of Vancouver Island.

336—The Art of the Vatican

This set presents stained glass windows and murals by great artists.

337—Vicar of Wakefield

This set shows scenes from the *Vicar of Wakefield* by Goldsmith.

339—Volcanoes

This set pictures noted volcanoes and volcanic effects of various types.

342—Water Babies

This is an excellent set of slides with good continuity. University of Alberta.

345—Wild Animals in Captivity

Animals depicted in these coloured slides have a universal appeal for children and range from the unusual animals of far-away to the more familiar at home. Yale.

353—A Peep into Nature

These are very good slides showing many familiar birds, animals and insects. Private Collection.

354—Northern Waters

This set pictures scenes along the Peace, Slave and MacKenzie Rivers.

357—Astronomy

Diagrams and photographs of astronomical phenomena are shown in this set.

358—Growing Tea in Assam

The planting, cultivation and shipment of tea are pictured in these slides.

359—Cannibal Islands

The people, plantations and houses of the Fiji and Samoan Islands are shown in this set.

366—Old Mother Hubbard

These are very good illustrations to enrich the language experiences of this nursery rhyme. Ludgate.

367—Cinderella

This set pictures isolated incidents of the story in colour. It would be useful for background. Ludgate.

369—Aladdin and the Wonderful Lamp

These pictures are colourful and would be useful to give background to the story. They would not add greatly to the continuity of the story as incidents depicted are isolated. Ludgate.

371—Red Riding Hood

These are good illustrations for this story. The bad wolf is sent to a Wild Beast Show in the concluding picture. Ludgate.

372—Tom Thumb

These pictures of isolated episodes from *Tom Thumb* could be used very nicely to supplement. Ludgate.

374—Beauty and the Beast

These excellent slides would add to the joy that this story brings children. Ludgate.

376—Androcles and the Lion

The six clear pictures of this set well illustrate the most important incidents in the story. Ludgate.

377—Legend of Sleepy Hollow

These are good slides to illustrate *The Ride of Ichabod Crane*. Ludgate.

378—The Chimes

These coloured slides illustrate well the important episodes of this story.

379—Cock Robin

This set includes good illustrations of this rhyme. Ludgate.

380—The Three Bears

This is a colourful set of slides of this favorite story. Ludgate.

382—Hop O' My Thumb

This version of the story is attractively illustrated.

400—Cairo, Egypt

Cairo is presented in colour, with its public buildings, its people, and some interesting sights along the Nile.

404—Arctic Regions and Their People

These pictures show the mode of life of the people in the Arctic regions, and animals native to the country.

405—Shakespeare and the Play Richard II

These slides show scenes of Shakespeare's surroundings, and of the play *Richard II* University of Alberta.

407—British Columbia

This set presents a survey of the cities, points of scenic interest, and an inspection of the industries of fishing, logging and mining. University of Alberta.

408—In the Trail of the Lingering Redman

This set describes the life of the Indians, the wild life, the coming of the white man, and the subsequent changes.

410—The Mystery of the Brain

This set pictures the structure of the brain and the harmful effect of alcohol.

411—Water the Wonderful

This set pictures indirectly the harmful effects of alcohol.

413—The First Sixty Years of Confederation

These pictures portray the life and industry of the people of Canada during the first sixty years of Confederation.

414—Ireland as I Knew It

The Irish peasants at work, and some of the well-known places of interest in Ireland are shown in this set. Buckley.

419—China in Transition

These excellent coloured slides picture Chinese life and industry, travel and funeral scenes. University of Alberta.

420—Wild Flowers of Alberta

This is a beautiful set of hand-coloured slides of familiar wild flowers of the Province of Alberta. McCalla.

425—Life of John Bunyan

These slides show scenes taken from the life of Bunyan. University of Alberta.

430—Boys' and Girls' Friendly Beasts

This set has views of domesticated animals around the world. University of Alberta.

431—Sir John Franklin

Pictures of Franklin's first and second expeditions in the Arctic regions are shown in this set.

443—One Hundred Years of Railway Progress

These slides depict the growth of railway transportation.

456—Canadian Art Movement

This set includes pictures by Canadian artists—Thomson, MacDonald, Lismer, Jackson and others.

458—Great Bear Lake and the North

This set pictures the geography of the area, and the industrial and economic development which may follow.

460—Japan: Tokyo to Hokkaido

These slides present picturesque Japan, its temples, bridges and people.

461—Japan: Mount Fuji

This is a comprehensive set covering scenes of home and school in Japan. University of Alberta.

462—Economic Aspects of Birds

This set of slides shows the types of birds wholly beneficial, those chiefly beneficial, those which balance, and those which are harmful. A great many hawks, owls, and members of the crow family are shown. University of Alberta.

463—American Art

This set presents the work of many American artists, from 1700 to present time.

464—The Art Movement Today

This set is a study of modern Art, showing stage settings, designs in buildings and rooms.

465—Great Age of European Art

These slides show paintings of such great European artists as Michelangelo and Raphael.

466—Great English Art

This set shows pictures by famous artists of the English school.

470—Four Little Bunnies

These four little bunnies engage in the every day activities in which children are vitally interested. This would be a good Easter picture. Some most attractive Easter eggs are made. University of Alberta.

475—Canadian Art

This set shows pictures in colour by Canadian artists.

476—Some Babies

This set presents pictures of infants of many lands.

477—Wonders Will Never Cease

These are very good slides to illustrate the advance made in transportation and communication. They would be useful in Enterprise. University of Alberta.

478—Sculpture

This set presents pictures of sculpture, freizes and columns.

2" x 2" Lantern Slides

1—Modern American Art

This coloured set would be useful in Art Appreciation.

2—A Voyage to the Arctic

These slides are excellent photography and give an excellent picture

of the Eskimo and the Arctic. Society for Visual Education.

3—Jasper-Banff Highway

These are coloured, clear pictures of a famous highway.

4—Early Civilizations

This is an excellent set of drawings of early life in the East.

5—Knighthood

This is a satisfactory and clear picturization of Knighthood and would be useful in the Intermediate School.

6—Pioneer Days

This set presents pictures of scenes of early methods of harvesting, mining, etc. and shows a sod house.

7—Indian Life

These slides show Indian homes, modes of transportation and other phases of Indian life.

PART IV

VISUAL AIDS

**Obtainable from Other Departments
of the
Government of Alberta**

PART IV

The **Department of Agriculture** of the Province of Alberta has the following films which have been approved for screening in schools. When not required by the Department itself, they are available free upon application direct to the Agricultural Extension Service, Department of Agriculture, Parliament Buildings, Edmonton.

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
Silent		
Beekeeping.....	AGQ-25.....	163
Breaking Virgin Soil.....	AGQ- 5.....	163
Brooks.....	AGQ-43.....	163
Fisherman's Paradise, A.....	AGQ-40.....	163
How Seeds Germinate.....	AGQ- 8.....	163
New Empire, The (Reel 2).....	AGQ- 2.....	163
Petroleum.....	AGQ- 1.....	163
Sugar Beets.....	AGQ- 3.....	163 163
Sound		
Bacon for Britain.....	AGT-X9.....	163
Farm Front.....	AGT- 12.....	163
Rain on the Plains and Muddy Waters.....	AGT- 3.....	163
School Lunches.....	AGT- 16.....	163
Thought for Food.....	AGT- 11.....	163
Trees to Tame the Wind.....	AGT- 2.....	163
Wizard of Svalof.....	AGT- 5.....	163
World of Plenty.....	AGT- 13.....	163

SUBJECT AND GRADE CLASSIFICATION

BIOLOGY

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
How Seeds Germinate.....	X.....	X, XII.....	AGQ- 8

ELEMENTARY SCIENCE AND GENERAL SCIENCE

Brooks.....		VII-IX.....	AGQ-43
How Seeds Germinate.....		VI-XI.....	AGQ- 8
Petroleum.....		VIII-IX.....	AGQ- 1

GEOLOGY

Petroleum.....	X.....		AGQ- 1
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HEALTH AND PHYSICAL EDUCATION

School Lunches.....	IX.....	VII-XI.....	AGT-16
Thought for Food.....	VII.....	VII.....	AGT-11

SOCIAL LIVING AND SOCIAL STUDIES

Breaking Virgin Soil.....	V.....	III-IX.....	AGQ- 5
Brooks.....	V.....	III-XII.....	AGQ-43
Sugar Beets.....	IX.....	III-IX.....	AGQ- 3
Bacon for Britain.....	IX.....	VI-IX.....	AGT-X9
Rain on the Plains and Muddy Waters.....	VIII.....	VIII.....	AGT- 3
Wizard of Svalof.....	IX.....	VII-XII.....	AGT- 5
World of Plenty.....	IX.....	VII-XI.....	AGT-13

MISCELLANEOUS

The films in this group are of little instructional value in the classroom. They may, however, be used for other purposes.

Beekeeping.....	VII-XII.....	AGQ-25
Fisherman's Paradise.....	I-XII.....	AGQ-40
New Empire, The (Reel 2).....	III-IX.....	AGQ- 2
Farm Front.....	V-XII.....	AGT-12
Trees to Tame the Wind.....	I-XII.....	AGT- 2

DESCRIPTIONS

Silent Films

AGQ-1—Petroleum

This film gives an account of Alberta's oil industry, clearly explaining the entire process of extracting and refining oil, from the geologist's first tests to the final delivery of the finished product to the consumer. Two reels.

AGQ-2—The New Empire

A large number of the agricultural activities of Alberta are shown in this film. Included are cattle, sheep and hog-raising, beekeeping and poultry raising. Reel II only of this film is suitable for schools.

AGQ-3—Sugar Beets

This is an interesting film depicting the story of the sugar beet industry in Southern Alberta.

AGQ-5—Breaking Virgin Soil

This film shows the function of each of a large number of agricultural machines. It is a good introduction to farming in the Prairie Provinces.

AGQ-8—How Seed Germinate

This film is the same as silent film No. 228. Educational.

AGQ-25—Beekeeping

This film presents interesting pictures depicting the story of beekeeping.

AGQ-40—A Fisherman's Paradise

This is an interesting and beautiful film in colour. It shows pictures of fish in many stages of development, and of many beautiful flowers. It also shows a picture of the second house built in Calgary, Alberta.

AGQ-43—Brooks

This is a beautifully photographed film of the various trees and shrubs (including fruit-bearing trees) grown at the Horticultural Station at Brooks, Alberta. This film has definite value in a province where trees are steadily being cut down instead of being grown.

Sound Films

AGT-2—Trees to Tame the Wind

This is a graphic, convincing picture of what shelter belts can do to check the bad effects of wind. It is a valuable picture for the Province of Alberta.

AGT-3—Rain on the Plains Muddy Waters

These are thought provoking films on the subject of soil conservation. **Rain on the Plains** is the same as Sound Film No. A-160.

AGT-5—Wizard of Svalof

This film shows the methods used at Svalof (Sweden) to improve plant types such as wheat, forage crops, flax, etc.

AGT-11—Thought for Food

This is the same as sound film No. A-698. Two reels. National Film Board.

AGT-12—Farm Front

This is an excellent film of Canadian farming, with a strong emphasis on cooperation, and the contribution made by our Canadian farmers to the war effort. National Film Board.

AGT-13—World of Plenty

This is the same as sound film No. A-681-4. Four reels.

AGT-16—School Lunches

This film indicates briefly the importance of adequate school lunches, and the content of such lunches. It is not a particularly effective film.

AGT-X9—Bacon for Britain

This is the same as sound film No. A-481-2. Two reels. Crawley.

The following filmstrips (Picturols) also are available upon application to the Agricultural Extension Service, Department of Agriculture, Parliament Buildings, Edmonton, provided they are not required by the Department itself when application is made. Lecture Notes accompany each filmstrip with the exception of those marked with an asterisk (*).

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
Breeds of Sheep.....	AGP-25.....	166
Controlling Water and Wind Erosion in the Pacific Northwest.....	AGP-27.....	166
Easier Housework Through Good Posture.....	AGP-70.....	166
Electric Power Serves the Farm.....	AGP-35.....	166
Erosion Control in the Northern Great Plains.....	AGP-47.....	166
Farm Water Supply.....	AGP-39.....	166
Grafting and Budding Fruit Trees.....	AGP-20.....	166
*History and Development of Agricultural Implements and Machinery.....	AGP-98.....	167
Insects—Their Growth and Structure.....	AGP-84.....	166
Livable Living Rooms.....	AGP-33.....	166
*Making a Coat.....	AGP-94.....	167
Making Hooked Rugs.....	AGP-52.....	166
*Neighbours Help Each Other.....	AGP-59.....	166
Production of Clean Milk.....	AGP-32.....	166
Propagation of Trees and Shrubs.....	AGP-87.....	167
*Satisfying Farm Homes.....	AGP- 5.....	166
Standard Breeds of Poultry.....	AGP-48.....	166
*Wartime Gardening.....	AGP-21(a).....	166

SUBJECT AND GRADE CLASSIFICATION

BIOLOGY

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Grafting and Budding Fruit Trees.....	XII.....	X, XII.....	AGP-20
Insects—Their Growth and Structure.....	X.....	X.....	AGP-84
Propagation of Trees and Shrubs.....	XII.....	X, XII.....	AGP-87

ELEMENTARY SCIENCE AND GENERAL SCIENCE

Breeds of Sheep.....	VII.....	VII.....	AGP-25
Erosion Control in the Northern Great Plains.....	VIII.....	VII-IX.....	AGP-47
Farm Water Supply.....	VII, VIII.....	VII-XI.....	AGP-39
Insects—Their Growth and Structure.....	IX.....	IX-X.....	AGP-84
Standard Breeds of Poultry.....	VII.....	VII.....	AGP-48
Wartime Gardening.....	VIII.....	V-IX.....	AGP-21(a)

FABRICS AND DRESS

Making a Coat.....	XII.....		AGP-94
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HEALTH AND PHYSICAL EDUCATION

Production of Clean Milk.....	IX.....	IV-X.....	AGP-32
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HOME ECONOMICS AND HOMEMAKING

Easier Housework Through Good Posture.....	X.....	VII-XII.....	AGP-70
Electric Power Serves the Farm.....	IX.....	VII-XI.....	AGP-35
Farm Water Supply.....	VII, VIII.....	VII-XI.....	AGP-39
Livable Living Rooms.....	X.....	IX-XI.....	AGP-33
Making a Coat.....	XI.....		AGP-94
Satisfying Farm Homes.....	X.....	VII-XI.....	AGP- 5

SOCIAL LIVING AND SOCIAL STUDIES

Controlling Water and Wind Erosion in the Pacific Northwest.....	X.....	VII-XII.....	AGP-27
Electric Power Serves the Farm.....	IX.....	VII-XI.....	AGP-35
Erosion Control in the Northern Great Plains.....	VIII.....	VII-IX.....	AGP-47
History and Development of Agricultural Implements and Machinery.....	IX.....	VII-IX.....	AGP-98
Neighbours Help Each Other.....	XII.....		AGP-59
Production of Clean Milk.....	IX.....	IV-X.....	AGP-32
Satisfying Farm Homes.....	VII.....	VII-XI.....	AGP- 5
Wartime Gardening.....	VIII.....	V-IX.....	AGP-21(a)

MISCELLANEOUS

Making Hooked Rugs.....		VII-XII.....	AGP-52
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DESCRIPTIONS

AGP-5—Satisfying Farm Homes

This filmstrip contains suggestions for improving the general quality of rural life. The topics discussed are: farm homes, equipment and furnishings of farm homes, landscaping of homes, recreational activities, community activities.

AGP-20—Grafting and Budding Fruit Trees

This filmstrip illustrates in some detail tools and techniques used in grafting and budding.

AGP-21(a)—Wartime Gardening

How to plan, prepare and care for a small garden are described in this filmstrip.

AGP-25—Breeds of Sheep

This is the same as filmstrip No. 816 listed in part III of the Manual.

AGP-27—Controlling Water and Wind Erosion in the Pacific Northwest

The contents of this filmstrip are indicated in the title.

AGP-32—Production of Clean Milk

This filmstrip shows the practical methods that may be followed on the average farm to insure the production of clean milk.

AGP-33—Livable Living Rooms

This filmstrip shows ways of arranging furniture and other furnishings attractively.

AGP-35—Electric Power Serves the Farm

This filmstrip indicates the many ways in which electric power can

serve on the farm and thus improve the general quality of rural living.

AGP-39—Farm Water Supply

This filmstrip describes the defects in water supply often found in rural areas, and indicates how an adequate supply can be secured.

AGP-47—Erosion Control in the Northern Great Plains

This filmstrip shows the devastating effects of erosion on the Plains. The many ways of overcoming erosion are then demonstrated.

AGP-48—Standard Breeds of Poultry

This filmstrip is the same as No. 823 in Part III of the Manual.

AGP-52—Making Hooked Rugs

Many good suggestions are given for the making of hooked rugs. Good techniques and interesting patterns are shown.

AGP-59—Neighbours Help Each Other

This filmstrip shows various activities of cooperative marketing. Many picture graphs help to illustrate the main points.

AGP-70—Easier Housework Through Good Posture

A good picture is given of labour-saving devices and of the most efficient arrangement of working materials.

AGP-84—Insects—Their Growth and Structure

This filmstrip includes good pictures of the life history of a number of familiar insects.

**AGP-87—Propagation of Trees
and Shrubs**

This is the same as filmstrip No.
AGP-20.

AGP-94—Making a Coat

This picture gives a good outline
of materials needed and a demon-
stration of techniques.

**AGP-98—History and Develop-
ment of Agricultural
Implements and
Machinery**

This filmstrip shows the evolution
of the following types of machinery:
plows, seeders, cultivators, harvesters,
threshers.

The **Department of Public Health** of the Provincial Government has the
following films which have been approved for screening in schools. They are
available free upon application direct to the Division of Health Education,
Department of Public Health, Administration Building, Edmonton.

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
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Silent

Boy Building (Three reels).....	PHQ- 1.....	172
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Eating Out (Reel 1 only).....	PHQ- 2.....	172
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First Aid

Care of Minor Wounds and Control of Bleeding.....	PHQ- 3.....	172
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Grey Owl.....	PHQ- 4.....	172
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Here and There with the Birds of Canada.....	PHQ- 5.....	172
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How Life Begins (Four reels).....	PHQ- 6.....	172
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If It's Health You're Seeking.....	PHQ- 7.....	172
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Man Against Microbes.....	PHQ- 8.....	172
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New Ways for Old (Diphtheria).....	PHQ- 9.....	172
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Social Hygiene (Women) Two reels.....	PHQ-10.....	172
(Not for mixed groups)		

Stalking Big Game.....	PHQ-11.....	172
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What Price Health.....	PHQ-12.....	172
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Your Health Department.....	PHQ-13.....	172
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Youth and Life (For mixed groups, except last part of film).....	PHQ-14.....	172
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Youth and Life (Boys).....	PHQ-15.....	173
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Youth and Life (Girls).....	PHQ-16.....	173
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Sound

Choose to Live.....	PHT- 1.....	173
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The following films owned by the Alberta Council on Child Welfare are deposited with the Department of Public Health and are available for distribution to schools upon application direct to the Division of Health Education, Department of Public Health, Administration Building, Edmonton.

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
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Silent

Food Makes a Difference.....	PHQ-17.....	173
Milk, the Master Builder.....	PHQ-18.....	173
Posture.....	PHQ-19.....	173
Preventing the Spread of Disease.....	PHQ-20.....	173
Told by a Tooth.....	PHQ-21.....	173
Tuberculosis.....	PHQ-22.....	173
Your Baby.....	PHQ-23.....	173
Why Willie Was Willing to Wash.....	PHQ-24.....	173

The following films owned by Health Districts are available upon application direct the the Health District at the address Given.

Foothills Health District—High River

Silent

Diphtheria.....	PHQ-25.....	173
Food and Growth.....	PHQ-26.....	173
House Fly, The.....	PHQ-27.....	173
Posture.....	PHQ-19.....	173
Road to Health and Happiness.....	PHQ-28.....	173
Tuberculosis.....	PHQ-22.....	173

Sound

Behind the Shadows.....	PHT- 2.....	174
Let My People Live.....	PHT- 3.....	174

Didsbury Health District—Didsbury

Silent

Told by a Tooth.....	PHQ-21.....	173
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Holden Health District—Holden

Silent

Food Makes a Difference.....	PHQ-17.....	173
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Lamont Health District—Lamont

Boy Building.....	PHQ- 1.....	173
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The following films are available upon application to the Division of Social Hygiene, Department of Health, Provincial Building, Edmonton.

Silent

Let's Open Our Eyes.....	PHQ-29.....	173
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Sound

Fight Syphilis.....	PHT- 4.....	174
Health is a Victory.....	PHT -5.....	174
Human Reproduction (Women's Version).....	PHT- 6.....	174
Human Reproduction (Men's Version).....	PHT- 7.....	174
Sex in Life.....	PHT- 8.....	174
With These Weapons.....	PHT- 9.....	174

SUBJECT AND GRADE CLASSIFICATION

BIOLOGY

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Silent			
Here and There with the Birds of Canada.....	VI.....	IV-X.....	PHQ- 5
House Fly, The.....	IX.....	VI-X.....	PHQ-27
How Life Begins.....	X.....	VII-X.....	PHQ- 6

ELEMENTARY SCIENCE AND GENERAL SCIENCE

Silent

Grey Owl.....	V.....	IV-IX.....	PHQ- 4
How Life Begins.....	X.....	VII-XI.....	PHQ- 6
Here and There with the Birds of Canada.....	VI.....	IV-X.....	PHQ- 5
Man Against Microbes.....	IX.....	VII-X.....	PHQ- 8

HEALTH AND PHYSICAL EDUCATION

Silent

Boy Building.....	XI.....	X-XI.....	PHQ- 1
Diphtheria.....	X.....	VII-X.....	PHQ-25
Eating Out (Reel 1).....	IX.....	IX-XI.....	PHQ- 2
First Aid			
Care of Minor Wounds and Control of			
Bleeding.....	IX.....	VII-X.....	PHQ- 3
Food and Growth.....	IV.....	II-VI.....	PHQ-26
Food Makes a Difference.....	IX.....	IV-IX.....	PHQ-17
House Fly, The.....	IX.....	VI-X.....	PHQ-27
If It's Health You're Seeking.....	IX, X.....	VII-XI.....	PHQ- 7
Let's Open Our Eyes.....	X, XI.....	X-XI.....	PHQ-29
Man Against Microbes.....	IX.....	VII-X.....	PHQ- 8
Milk, the Master Builder.....	IV-VI.....	IV-VIII.....	PHQ-18
New Ways for Old.....	X.....	VII-X.....	PHQ- 9
Posture.....	IX.....	VII-IX.....	PHQ-19
Preventing the Spread of Disease.....	IV-VI.....	IV-VIII.....	PHQ-20
Social Hygiene (Women).....	X, XI.....	X-XI.....	PHQ-10
Told by a Tooth.....	VI.....	V-X.....	PHQ-21
Tuberculosis.....	VIII.....	VI-IX.....	PHQ-22
What Price Health.....	X.....	VII-X.....	PHQ-12
Why Willie Was Willing to Wash.....	V, VI.....	IV-VI.....	PHQ-24
Your Baby.....	X, XI.....	X-XI.....	PHQ-23
Your Health Department.....	X.....	VII-X.....	PHQ-13
Youth and Life (For mixed groups)			
Reel 1.....	X.....	X.....	PHQ-14
Reel 2.....	X.....	VII-XI.....	PHQ-14
Youth and Life (Boys).....	X.....	VII-XI.....	PHQ-15
Youth and Life (Girls).....	X.....	VII-XI.....	PHQ-16

Sound

Behind the Shadows.....	X.....	VII-XI.....	PHT- 2
Choose to Live.....	X.....	VII-X.....	PHT- 1

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Fight Syphilis.....	X, XI	X-XI	PHT- 4
Health is a Victory.....	X, XI	X, XI	PHT- 5
Human Reproduction (Women's Version).....	X, XI	X-XI	PHT- 6
Human Reproduction (Men's Version).....	X, XI	X-XI	PHT- 7
Let My People Live.....	X	VII-XI	PHT- 3
Sex in Life.....	X	X-XI	PHT- 8
With These Weapons.....	X, XI	X-XI	PHT- 9

HOME ECONOMICS

Silent

Your Baby.....	X	X-XI	PHQ-23
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SOCIAL LIVING AND SOCIAL STUDIES

Silent

Here and There with the Birds of Canada.....	VI	IV-X	PHQ- 5
Road to Health and Happiness.....	V	III-IX	PHQ-28
Man Against Microbes.....	IX	VII-X	PHQ- 8

MISCELLANEOUS

This film has little instructional value in the classroom but may be used for other purposes.

Stalking Big Game.....	IV-XII	PHQ-11
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DESCRIPTIONS

PHQ-1—Boy Building

The story of a summer camp for undernourished boys conducted at Elk Island Park under the auspices of the Lamont Health District, Department of Health, shows what can be done by a properly organized community to improve the physical fitness of its children.

PHQ-2—Eating Out

This film presents a poorly kept and a well kept restaurant. It gives good guidance in choosing a place to eat.

PHQ-3—First Aid— Care of Minor Wounds and Control of Bleeding

This film stresses the importance of immediate care for even the slightest wound. It demonstrates the proper method of applying sterile dressings. It shows, with actual photography and animated diagrams, accepted methods of control of arterial and venous hemorrhages. Eastman.

PHQ-4—Grey Owl

This film pictures Grey Owl's friends, the moose, the beaver, the muskrats, and the birds, in the native habitat.

PHQ-5—Here and There with the Birds of Canada

This film is the same as Silent No. C-50.

PHQ-6—How Life Begins

This film is the same as Q-42, 43, 44 and 45. Four reels.

PHQ-7—If It's Health You're Seeking

This film outlines the elements of healthful living—diet, exercise, preventive practices, emotional devel-

opment. It is suitable for showing before teachers-in-training. Two reels. National Motion Picture Company.

PHQ-8—Man Against Microbes

This film is the same as Silent Film No. 627.

PHQ-9—New Ways for Old (Diphtheria)

This film outlines the history of preventive treatment for diphtheria. It is rather antiquated as to costumes.

PHQ-10—Social Hygiene (Women)

This film is not for mixed audiences. Reel 1 gives the physiology of the female reproduction and the uterine development of the child. Reel 2 deals with venereal diseases, gonorrhea and syphilis.

PHQ-11—Stalking Big Game

This film is the same as silent film No. C-65.

PHQ-12—What Price Health

This film describes water supply and sewage disposal.

PHQ-13—Your Health Depart- ment

This film describes the work of a typical Department of Health.

PHQ-14—Youth and Life

Reel 1 may be shown to mixed groups. Reel 1 would be useful in the "Life and Growth" section of the Health Course for Grade X. The development of life from the single cell of the Amoeba to those of the more complex animals such as man is shown. The reason for the comparatively slow growth of

the human animal is shown. Reel 2 describes the circulatory, respiratory, digestive and reproductive systems. All but the last part of the film is suitable for showing to mixed groups. The photography of these films is not of the best. Two reels. Equipments, Ltd.

PHQ-15—Youth and Life (Boys)

This film describes the male reproductive organs and sex hygiene for boys.

PHQ-16—Youth and Life (Girls)

This film describes the female organs and processes of reproduction and feminine hygiene.

PHQ-17—Food Makes a Difference

This is the same as Silent Film No. 635. It consists of two reels.

PHQ-18—Milk, the Master Builder

This film describes the importance of milk in the diet. It portrays also the production of milk and the proper methods of handling milk. National Motion Picture Company.

PHQ-19—Posture

This is the same as Q-58. Eastman.

PHQ-20—Preventing the Spread of Disease

The title suggests the content of this film. National Motion Picture Company.

PHQ-21—Told by a Tooth

In this film, an animated tooth character describes four helps for strong, healthy teeth, i.e. proper food, exercise, use of a tooth brush, and visits to the dentist. The large amount of script in this film makes its use below Grade V difficult. National Motion Picture Company.

PHQ-22—Tuberculosis

This film is the same as Silent No. 373.

PHQ-23—Your Baby

This film describes the care of the baby.

PHQ-24—Why Willie Was Willing to Wash

Briefly this is a story of the manner in which a boy, who disliked cleanliness, learned the importance and value of keeping clean. It has fair value for stressing the importance of cleanliness as a factor in healthful living, in social behaviour, and in occupational relationships. This film contains much reading difficult below Grade V. It is not particularly interesting. National Motion Pictures.

PHQ-25—Diphtheria

A diphtheritic throat is compared with a normal one—the complete preparation and use of antitoxin are demonstrated—methods of modern diphtheria control and of preventing the disease by the administration of toxin-antitoxin are shown. Eastman.

PHQ-26—Food and Growth

This is the same as film Q-108.

PHQ-27—The House Fly

This film gives the life cycle of the house fly. It portrays the fly as a menace to health and describes methods of control. Eastman.

PHQ-28—Road to Health and Happiness

This is the same as Silent Film No. Q-61.

PHQ-29—Let's Open Our Eyes

This film deals with causes, transmission, diagnosis, treatment, and effects of syphilis. It is essentially a plea for action by an aroused and enlightened public.

Sound

PHT-1—Choose to Live

This sound film is the same as A-738. Two reels.

PHT-2—Behind the Shadows

This film deals with the cause and prevention of tuberculosis. It is a good teaching film, rating higher than No. PHT-3, **Let My People Live**.

PHT-3—Let My People Live

This film deals with the cause and prevention of tuberculosis, presented in dramatic form with a negro cast. See description PHT-2.

PHT-4—Fight Syphilis

This film is a plea for intelligent understanding of the causes and effects of syphilis and for public action in the matter. It shows sources of infection, the danger of quacks' treatments, where to secure dependable assistance and treatment. It is suitable for mixed audiences.

PHT-5—Health is a Victory

This film is the story of the fight against gonorrhea. The topics discussed are: nature of the infection, how contracted, effects, methods of treatment.

PHT-6—Human Reproduction (Women's Version)

This film shows the human reproductive organs and the process of human reproduction. It is especially adapted for female audiences.

PHT-7—Human Reproduction (Men's Version)

This film shows the human organs and process of reproduction. It is suitable for male audiences.

PHT-8—Sex in Life

This film presents a good treatment of this topic. It traces the function and mechanism of sex from amoeba to mammals. When used in schools, it should **not** be shown to mixed groups.

PHT-9—With These Weapons

This film tells the story of how science, medicine and various social agencies can and are combining to reduce the incidence of syphilis through early diagnosis and treatment.

The **Workmen's Compensation Board** has the following thirty-five millimetre filmstrips with sound recordings (on disks) outlining safety measures for industry. The running time for each filmstrip is approximately twenty minutes. These filmstrips have been approved by the Audio-Visual Aids Branch of the Department of Education for screening before boys registered in the Group C options of the High School Programme. For further information, write direct to the Safety Supervisor, Workmen's Compensation Board, 10048 101A Avenue, Edmonton. The call letters WCP stand for Workmen's Compensation Picturol.

<i>Title of Motion Picture</i>	<i>Library No.</i>	<i>Page in Manual</i>
Brain Beats Brawn.....	WCP- 5.....	176
Cause and Cure.....	WCP- 2.....	176
Doctor's Orders.....	WCP- 7.....	176
Follow the Leader.....	WCP- 1.....	176
Guard Duty.....	WCP- 3.....	176
Principles and Interest.....	WCP- 8.....	176
Production with Safety.....	WCP-10.....	176
Right Dress.....	WCP- 6.....	176
Safety is in Order.....	WCP- 4.....	176
Stop, Look, and Listen.....	WCP- 9.....	176

DESCRIPTIONS

WCP-1—Follow the Leader

This filmstrip outlines ten important steps in organizing safety work in industry. It describes management responsibility and shows methods which may be employed to correct unsafe working conditions and unsafe practices. National Safety Council.

WCP-2—Cause and Cure

Accidents are due to lack of knowledge, unguarded machinery, unsafe practices and physical disabilities. The filmstrip shows the importance of a thorough investigation of accidents in order to discover the cause and cure. National Safety Council.

WCP-3—Guard Duty

This filmstrip shows the value of proper guards on machines. Many accidents have happened because a guard has been removed by the operator to gain speed or make adjustments. Sarra.

WCP-4—Safety is in Order

This filmstrip shows the importance of providing safe working conditions in industry. National Safety Council.

WCP-5—Brain Beats Brawn

Unsafe practices in industrial plants are shown in this filmstrip. This is followed by an outline of safe practices. The importance of medical advice and examination is shown in good detail. This is of particular

value to the worker. National Safety Council and U.S. Department of Labour.

WCP-6—Right Dress

This filmstrip shows the need for proper clothing and personal protective equipment. It indicates also safe practices. National Safety Council.

WCP-7—Doctor's Orders

This filmstrip points out the need of saving materials as well as time. It also illustrates the value of a medical examination in order to determine the type of work a person may do without injuring himself or his fellow employees. The value of immediate First Aid treatment by qualified persons is also demonstrated. National Safety Council.

WCP-8—Principles and Interest

This filmstrip describes means of maintaining employee interest in a safety programme. National Safety Council.

WCP-9—Stop, Look, and Listen

A plant safety committee is pictured at its work of inspection of industrial hazards. National Safety Council.

WCP-10—Production with Safety

This filmstrip illustrates how to produce with safety by controlling the acts of workers by training and supervision. National Safety Council.

PART V

NATIONAL FILM BOARD FILMS

PART V

The **National Film Board**, Ottawa, has very kindly placed at the disposal of the Audio-Visual Aids Branch the films listed below. They are available for free circulation among schools of the province for an indefinite period. All are **sound** films. The call letters NBT signify National Board Talking or Sound.

NBT-1—Abegweit	NBT- 8—Salt From the Earth
NBT-2—Bushland Revels	NBT- 9—Sicily—Key to Victory
NBT-3—Fighting Norway	NBT-10—Trees for Tomorrow
NBT-4—Gaspé Cod Fishermen	NBT-11—Tremblay, Alexis
NBT-5—Grand Manan	NBT-12—Vitamins, A, B ₁ , C and D
NBT-6—Nazis Strike	NBT-13—What Makes Us Grow
NBT-7—Road to Tokyo	

Subject and Grade Classification

Chemistry

<i>Title</i>	<i>Optimum Grade Placement</i>	<i>Grade Spread</i>	<i>Lib. No.</i>
Salt From the Earth.....	X, XI.....		NBT- 8

General Science

Salt From the Earth.....	X.....	VII-XI.....	NBT- 8
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Health and Physical Education

Vitamins A, B ₁ , C and D	VIII.....	I-XI.....	NBT-12
What Makes Us Grow.....	VI.....	I-VI.....	NBT-13

Home Economics

Vitamins A, B ₁ , C and D	VIII.....	I-XII.....	NBT-12
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Social Studies

Abegweit.....	VII-VIII.....	V-IX.....	NBT- 1
Bushland Revels.....	V-VIII.....	IV-IX.....	NBT- 2
Fighting Norway.....		VII-XII.....	NBT- 3
Gaspé Cod Fishermen.....	X-XI.....	IX-XII.....	NBT- 4
Grand Manan.....	VII-VIII.....	IV-IX.....	NBT- 5
Nazis Strike.....	XII.....	X-XII.....	NBT- 6
Road To Tokyo.....		VI-XII.....	NBT- 7
Sicily—Key to Victory.....		VII-XII.....	NBT- 9
Trees for Tomorrow.....	XI.....	VII-XII.....	NBT-10
Tremblay, Alexis.....	VII-VIII.....	VII-XII.....	NBT-11

Descriptions

NBT-1—Abegweit

Abegweit is a Micmac (Indian) word meaning "resting on the waves". The film tells the story of Prince Edward Island, the smallest province of Canada. In it we get a sweeping view of the home of the fisherman and the farmer in this land of cooperative life and industry. The progressive outlook of these islanders is shown. These people, by their energy and clear thinking, have made their influence far-reaching. It expands much farther than their comparatively small geographical boundaries. Colour. National Film Board.

NBT-2—Bushland Revels

In this film is presented an interesting study of the Lyre Bird. It shows the mother bird and the fledglings. The second part presents the most unusual sound effects of the male bird's singing habits. National Film Board.

NBT-3—Fighting Norway

This film is the same as Sound film No. A-679.

NBT-4—Gaspé Cod Fishermen

This film portrays the life and work of Gaspé fishermen. It pictures the processing of cod, and preparing it for market. The cooperative nature of the enterprise is stressed. The first half of the film could be used in Grades V-VIII. The latter part only deals with cooperative features. National Film Board.

NBT-5—Grand Manan

This film pictures life on the Island of Grand Manan, with special emphasis placed on the fishing industry which engages most of the energies of the people. National Film Board.

NBT-6—Nazis Strike

This film is the same as Sound film No. A-748. Four reels. National Film Board.

NBT-7—Road to Tokyo

This is the same as Sound film No. A-623. Two reels. National Film Board.

NBT-8—Salt From the Earth

This film gives a visual description of the mining and processing of salt in Malagash, N.S. It shows the methods and processing the salt must go through before it is used for commercial purposes. National Film Board.

NBT-9—Sicily—Key to Victory

This film is the same as Sound film No. A-685. Two reels. National Film Board.

NBT-10—Trees for Tomorrow

This film is the same as T-28. American Forest Products, Inc.

NBT-11—Alexis Tremblay

Life for Alexis Tremblay and his family is dedicated to the soil following the tradition of their ancestors who came from France to settle along the shores of the St. Lawrence over 300 years ago. In their simple existence the church plays an important part, the blessing of the seed each spring being one of the sacred rituals passed on from one generation to another. We follow this French-Canadian family through the busy autumn days as they bring in the harvest and help with bread-baking and soap-making. Winter sees the children enjoying outdoor sports while the women are busy with their weaving, and, with the coming of spring, young and old alike go into the fields to plough the earth in preparation for another season of varied crops. Colour. Four Reels. National Film Board.

NBT-12—Vitamins A, B₁, C and D

This is the same film as Sound film No. A-647. Two reels. National Film Board.

NBT-13—What Makes Us Grow

This is the same film as Sound film No. A-675. National Film Board.

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